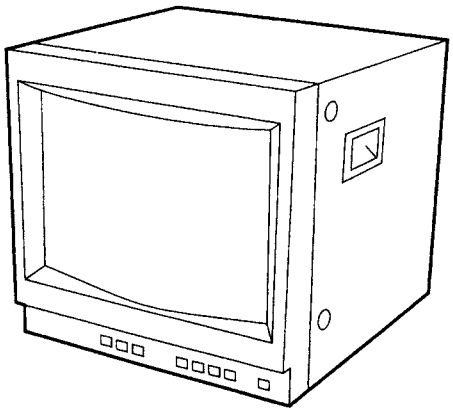
SERVICE MANUAL

SII CHASSIS

MODEL	DEST.	CHASSIS NO.
PVM-14N1A	Australian	SCC-J34B-A
PVM-14N1E	AEP	SCC-H98B-A
PVM-14N1MDE	AEP	SCC-H98G-A
PVM-14N1U	US Canadian	SCC-H96B-A
PVM-14N2A	Australian	SCC-J34A-A
PVM-14N2E	AEP	SCC-H98A-A
PVM-14N2U	US Canadian	SCC-H96A-A
SSM-14N1E	AEP	SCC-H98E-A
SSM-14N1U	US Canadian	SCC-H96E-A
PVM-20N1A	Australian	SCC-J34D-A
PVM-20N1E	AEP	SCC-H98D-A
PVM-20N1U	US Canadian	SCC-H96D-A
PVM-20N2A	Australian	SCC-J34C-A
PVM-20N2E	AEP	SCC-H98C-A
PVM-20N2U	US Canadian	SCC-H96C-A
SSM-20N1E	AEP	SCC-H98F-A
SSM-20N1U	US Canadian	SCC-H96F-A

REVISED-2



TRINITRON® COLOR VIDEO MONITOR

SONY®

Specifications

Video signal

Color system NTSC, PAL, SECAM, NTSC4.43
Resolution 500 TV lines
Frequency response
LINE 6 MHz±3dB (Y signal)
RGB
(PVM-14N1A/14N1E/14N1U/14N2A/14N2E/14N2U/20N1A/20N1E/20N1U/20N2A/20N2E/20N2U ONLY)
6 MHz±3dB

Picture performance

Normal scan 7 % over scan of CRT effective screen area
H. linearity Less than 8.0 % (typical)
V. linearity Less than 7.0 % (typical)
CRT P22 phosphor
Color temperature 6,500 K

Inputs

LINE A/B (PVM-14N1A/14N1E/14N1MDE/14N1U/14N2A/14N2E/14N2U/20N1A/20N1E/20N1U/20N2A/20N2E/20N2U ONLY)
Y/C IN 4-pin mini-DIN(×2)
See the pin assignment on the next page.
VIDEO IN BNC connector (×2), 1Vp-p +3 dB, –6 dB, sync negative
AUDIO IN Phono jack (×2), –5 dBu[a], more than 47 kilo-ohms

LINE (SSM-14N1E/14N1U/20N1E/20N1U ONLY)
Y/C IN 4-pin mini-DIN(×1)
See the pin assignment on this page.
VIDEO IN BNC connector (×1), 1Vp-p+3 dB, –6 dB, sync negative
AUDIO IN Phono jack (×1), –5 dBua), more than 47 kilo-ohms

RGB (PVM-14N2A/14N2E/14N2U/20N2A/20N2E/20N2U only)
R/G/B BNC connector (×3)
0.7 Vp-p +3 dB, –6 dB
Sync on green: 0.3 Vp-p, negative,
Automatic 75 ohms termination
AUDIO IN Phono jack (×1), –5 dBu[a], more than 47 kilo-ohms
EXT SYNC BNC connector (×1)
4 Vp-p +3 dB, –6 dB, sync negative

REMOTE (PVM-14N2A/14N2E/14N2U/20N2A/20N2E/20N2U only)
Phono jack (×1)
Open: currently selected input signal
Low state (GND): input signal selected prior to the current input signal

a) *0 dBu = 0.775 Vr.m.s.*

Outputs

LINE A
Y/C OUT 4-pin mini-DIN (×1) loop-through, Automatic 75 ohms termination
VIDEO OUT
BNC connector (×1) loop-through, Automatic 75 ohms termination
AUDIO OUT
Phono jack (×1) loop-through
Speaker output Output level: 0.8 W

General

(PVM-14N1MDE only)

Classification of equipment
– Type of protection against electric shock:
Class I equipment
* Standard evaluated to:
EN 60 601
CSA C22.2 No,601.1
UL 2601-1
–Degree of protection against harmful ingress of water:
Ordinary equipment
– Degree of safety of application in the presence of a flammable anaesthetic mixture:
Not protected equipment
– Mode of operation:
Continuous operation
– Information concerning type and frequency of technical maintenance: Not need maintenance equipment
– Main power switch:
Functional switch
CRT 14-inch CRT with P-22 phosphor
Visible picture size 332 mm (13-inch measured diagonally)

Power consumption
PVM-14N1A/14N1E/14N1MDE/14N1U/SSM-14N1E/14N1U: 80W
PVM-14N2A/14N2E/14N2U: 80W
PVM-20N1U/20N2U/SSM-20N1U: 100W
PVM-20N1A/20N2A/20N1E/20N2E/SSM-20N1E: 105 W

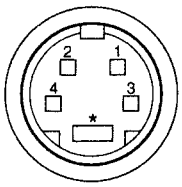
Power requirements
100 to 240 V AC, 50/60Hz
"For use of PVM-14N1U/14N2U/20N1U/20N2U/SSM-14N1U/20N1U", operate these monitors on 120 V AC. 1.2-0.6A (PVM-14N1MDE)

Operating temperature
PVM-14N1A/14N1E/14N1U/14N2A/14N2E/14N2U/20N1A/20N1E/20N1U/20N2A/20N2E/20N2U, SSM-14N1E/14N1U/20N1E/20N1U
:0 to +35°C (32 to 95°F)
PVM-14N1MDE:0 to +40°C (32 to 104°F)

Transport & Storage Condition
Storage Temperature −10 to +40°C (14 to104°F)
Humidity 0 to 90 %
Pressure 700 to 1060 hpa (PVM-14N1MDE)
Dimensions (w/h/d) PVM- 14N1A/14N1E/14N1MDE/
14N1U/14N2A/14N2E/14N2U,
SSM-14N1E/14N1U
:346 × 340 × 414 mm
(13⅝× 13½ × 16⅜ inches)
PVM-20N1A/20N1E/20N1U/20N2A/
20N2E/20N2U,
SSM-20N1E/20N1U:
449 × 441× 502 mm
(17¾ ×17⅜ × 19⅞ inches)
Mass PVM- 14N1A/14N1E/14N1MDE/
14N1U/14N2A/14N2E/14N2U,
SSM-14N1E/14N1U:
Approx. 15 kg (33 lb 1 oz)
PVM- 20N1A/20N1E/20N1U/20N2A/
20N2E/20N2U,
SSM-20N1E/20N1U:
Approx. 28 kg (61 lb 12 oz)
Accessory supplied AC power cord (1)
Operating Instructions (1)
PVM-14N1MDE
:Splash-proof covers (2)

Pin assignment

Y/C IN connector (4-pin mini-DIN)



Pin No.	Signal	Description
1	Y-input	1 Vp-p, sync negative, 75 ohms
2	CHROMA subcarrier-input	286m Vp-p (NTSC), 300m Vp-p (PAL), burst Delay time between Y and C: within 0 ± 100 nsec., 75 ohms
3	GND for Y-input	GND
4	GND for CHROMA-input	GND

Design and specifications are subject to change without notice.

(PVM-14N1MDE only)

Electromagnetic Compatibility	CE This device compiles with the requirements of Directive 89/336/EEC concerning electromagnetic compatibility. This device meets EN50081-1/92 and EN50082-1/92.

CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.
THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

ATTENTION

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURTCIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

ATTENTION!!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÁSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE. LE CHÁSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ À L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÈS PAR UNE TRAME ET PAR UNE MARQUE ⚠ SUR LES VUES EXPLOSÉES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE PUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÉCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY.

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SECTION 1
GENERAL

This section is extracted from instruction manual.

Features

Picture

Fine pitch Trinitron[1] picture tube
The fine pitch trinitron tube provides a high resolution picture. Horizontal resolution is more than 500 TV lines at the center of the picture.

Comb filter
When NTSC video signals are received, a comb filter activates to make more accurate Y/C separation. This contributes to less of a decrease in resolution, cross color and cross luminance phenomena.

Beam current feedback circuit
The built-in beam current feedback circuit assures stable white balance.

Four color system available
The monitor can display NTSC, PAL, SECAM and NTSC4.43[2] signals. The appropriate color system is selected automatically.

Input

Analog RGB input connectors (for PVM-14N2A/14N2E/14N2U/20N2A/20N2E/20N2U only)
Analog RGB signals from video equipment can be input through these connectors.

Y/C input connectors
The video signal, split into the chrominance signal (C) and the luminance signal (Y), can be input through this connector, eliminating the interference between the two signals, which tends to occur in a composite video signal, ensuring video quality.

Automatic termination (connector with ⩘ mark only)
The input connector is terminated at 75 ohms inside when no cable is connected to the loop-through output connector. When a cable is connected to an output connector, the 75-ohm termination is automatically released.

Functions

On-screen menus
You can set monitor operation settings by using the on-screen menus.

EIA standard 19-inch rack mounting
By using an MB-502B mounting bracket (for a 14-inch monitor, not supplied) or SLR-103A slide rail (for a 20-inch monitor, not supplied), the monitor can be mounted in an EIA standard 19-inch rack.

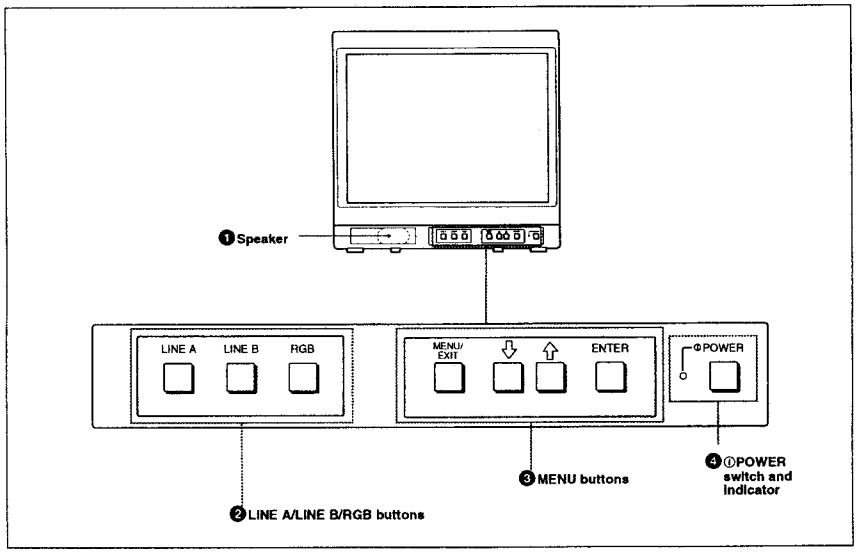
For details on mounting, refer to the instruction manuals supplied with the mounting bracket kit or slide rail kit.

Splash-proof covers (for PVM-14N1MDE only)
The monitor can be covered with splash-proof covers. The splash-proof covers protect the ventilation holes from splashes from medicines and other liquids.

1) "Trinitron" is a registered trademark of Sony Corporation.
2) The NTSC4.43 system refers to an NTSC color system in which the subcarrier frequency is modified to 4.43MHz. When an NTSC recorded video program is played back with a Trident (PAL/SECAM/NTSC4.43) VTR, the NTSC4.43 signal is output.

Location and Function of Parts and Controls

Front



PVM-20N2A/20N2E/20N2U front panel

❶ Speaker

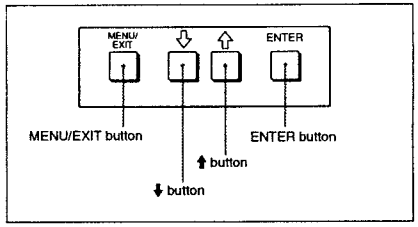
❷ LINE A/LINE B/RGB (input select) buttons
(PVM-14N1A/14N1E/14N1MDE/14N1U/14N2A/14N2E/14N2U/20N1A/20N1E/20N1U/20N2A/20N2E/20N2U only)
Press to select the program to be monitored.

Input signal	Press
Signal fed through the LINE A connector	LINE A
Signal fed through the LINE B connector	LINE B
Signal fed through the RGB connectors[a]	RGB[a]

a) Provided with the PVM-14N2A/14N2E/14N2U/20N2A/20N2E/20N2U only.

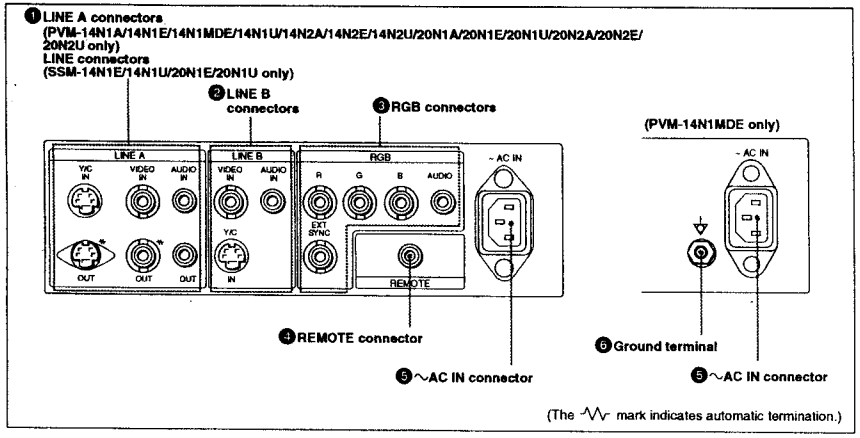
❸ MENU buttons
Press to make the menu appear.

For detailed information on MENU buttons, see "Operation through On-Screen Menus".



❹ ⏻POWER switch and indicator
Press to turn the monitor on. The indicator lights in green.
To turn the power off, press this again.

Rear Panel



PVM-20N2A/20N2E/20N2U rear panel

❶ LINE A connectors (PVM-14N1A/14N1E/14N1MDE/14N1U/14N2A/14N2E/14N2U/20N1A/20N1E/20N1U/20N2A/20N2E/20N2U only)
LINE connectors (SSM-14N1E/14N1U/20N1E/20N1U only)
Input connectors for the composite video, Y/C separate video and audio signals and their loop-through output connectors.
To monitor the input signal fed through these connectors, press the LINE A button on the front panel. (PVM-14N1A/14N1E/14N1MDE/14N1U/14N2A/14N2E/14N2U/20N1A/20N1E/20N1U/20N2A/20N2E/20N2U ONLY)

Note

The Y/C IN connector has priority over the VIDEO IN connector.
When connecting the cable to the Y/C IN connector, the Y/C IN connector is automatically selected and the VIDEO IN connector is disconnected even if the cable is connected.

Y/C IN connector (4-pin mini-DIN)
Connect to the Y/C separate output connector of a video camera, VCR or other video equipment.

Y/C OUT connector (4-pin mini-DIN)
Loop-through output of the Y/C IN connector.
Connect to the Y/C separate input connector of a VCR or another monitor.
When the cable is connected to this connector, the 75-ohm termination of the input is automatically released, and the signal input to the Y/C IN connector is output from this connector.

VIDEO IN connector (BNC-type)
Connect to the video output connector of video equipment, such as a VCR or a color video camera.
For a loop-through connection, connect to the video output connector of another monitor.

VIDEO OUT connector (BNC-type)
Loop-through output connector of the VIDEO IN connector. Connect to the video input connector for a VCR or another monitor.
When the cable is connected to this connector, the 75-ohm termination of the input is automatically released, and the signal input to the VIDEO IN connector is output from this connector.

AUDIO IN connector (phono jack)
Connect to the audio output connector of a VCR or other equipment. For a loop-through connection, connect to the audio output of another monitor.

AUDIO OUT connector (phono jack)
Loop-through output of the AUDIO IN connector. Connect to the audio input connector of a VCR or another monitor.

❷ LINE B connectors (PVM-14N1A/14N1E/14N1MDE/14N1U/14N2A/14N2E/14N2U/20N1A/20N1E/20N1U/20N2A/20N2E/20N2U only)
Input connectors for the composite video, Y/C separate video and audio signals.
To monitor the input signal fed through these connectors, press the LINE B button on the front panel.

Y/C IN connector (4-pin mini-DIN)
Connect to the Y/C separate output connector of a video camera, VCR or other video equipment.

VIDEO IN connector (BNC-type)
Connect to the video output connector of video equipment, such as a VCR or a color video camera.
For a loop-through connection, connect to the video output connector of another monitor.

AUDIO IN connector (phono jack)
Connect to the audio output connector of a VCR or other equipment. For a loop-through connection, connect to the audio output of another monitor.

❸ RGB connectors (provided with the PVM-14N2A/14N2E/14N2U /20N2A/20N2E/20N2U only)
Analog RGB input connectors for the R/G/B signals, external sync signals and audio signals.
To monitor the input signal fed through these connectors, press the RGB button on the front panel.

R/G/B (input) connectors (BNC-type)
Connect to the analog RGB outputs connectors of a video camera, VCR or other video equipment. The monitor operates on the external sync signal.
The monitor also can operate on the sync signal from the G channel by setting RGB SYNC to SYNC ON GREEN in the menu.

For detailed information on sync signal setting, see "3a RGB SYNC menu "on page 12 of "Functions of On-Screen Menus".

AUDIO IN connector (phono jack)
Connect to the audio output connectors of video equipment when the analog RGB signal is input.

EXT SYNC (external sync input) connector (BNC-type)
Connect to the sync signal output of a video camera, VCR or other video equipment.
When you set RGB SYNC to SYNC ON GREEN in the menu, the monitor operates on the sync signal from the G channel so that it is not necessary to use this connector.

For detailed information on sync signal setting, see "3a RGB SYNC menu "on page 12 of "Functions of On-Screen Menus".

❹ REMOTE connector (phono jack) (provided with the PVM-14N2A/14N2E/14N2U /20N2A/20N2E/20N2U only)
This connector functions as follows.
Open: When this connector is open, the current input signal is selected.
Ground: By grounding this connector, the input signal selected before this current signal is selected.

❺ ~AC IN (inlet) connector
Connect the supplied AC power cord to this connector and to a wall outlet.

❻ Ground (⏚) terminal (provided with the PVM-14N1MDE only)
Connect a GND cable.

Using On-Screen Menus

(PVM-14N1A/14N1E/14N1MDE/14N1U/14N2A/14N2E/14N2U/
20N1A/20N1E/20N1U/20N2A/20N2E/20N2U only)

You can make various settings and adjustments of the monitor using the on-screen menus.

On-Screen Menu Configuration

The on-screen menu is composed of the following two menu types.

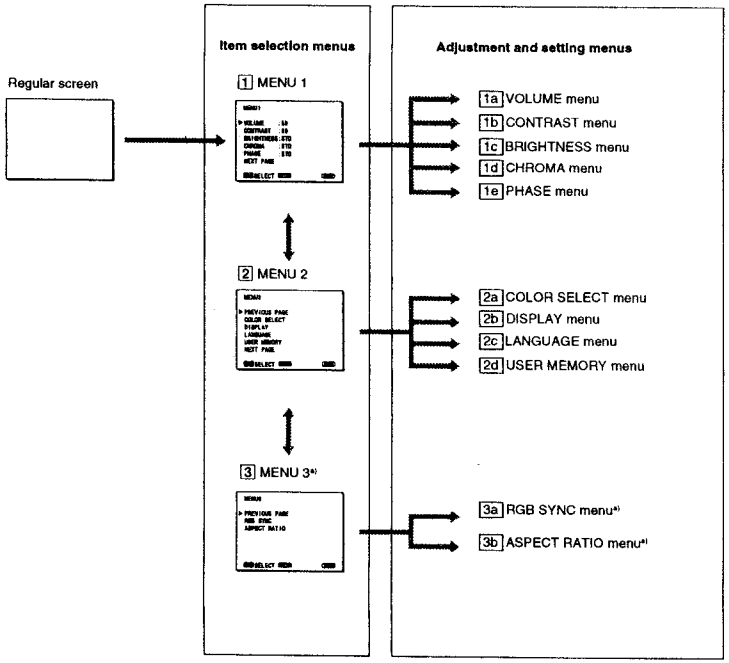
Item selection menu

You can select an adjustment and setting item such as sound volume, contrast, brightness, color intensity, color system and menu language by using the ↑,↓ and ENTER buttons.

Adjustment and setting menus

You can make desired adjustment or setting on corresponding menu. The settings and adjustments remain unchanged until next adjustment even if you turn off the power.
To reset the settings and adjustments to the factory-settings, select " FACTORY PRESET" from 2d USER MEMORY menu.

On-screen menu tree-chart



*) These menus (3, 3a and 3b) are provided with PVM-14N2A/14N2E/14N2U /20N2A/20N2E/20N2U only.

Using On-Screen Menus

(SSM-14N1E/14N1U/20N1E/20N1U only)

You can make various settings and adjustments of the monitor using the on-screen menus.

On-Screen Menu Configuration

The on-screen menu is composed of the following two menu types.

Item selection menu

You can select an adjustment and setting item such as sound volume, contrast, brightness, color intensity, color system and menu language by using the ↑,↓ and ENTER buttons.

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You can make desired adjustment or setting on corresponding menu. The settings and adjustments remain unchanged until next adjustment even if you turn off the power.
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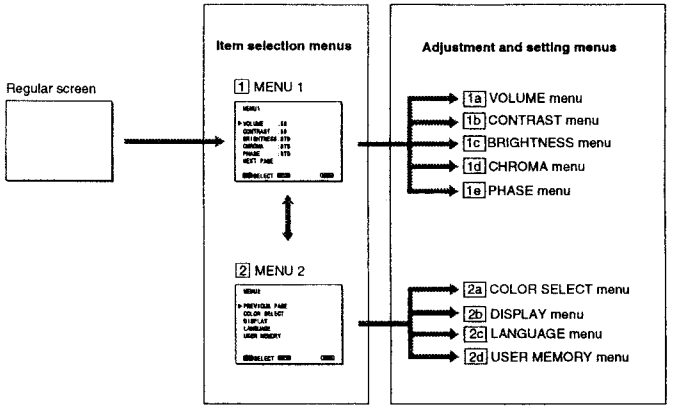
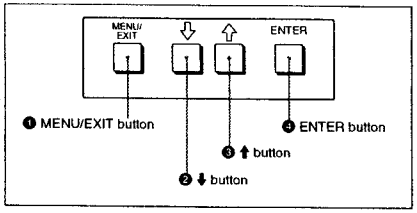
On-screen menu tree-chart



Operation through On-Screen Menus

Menu operation buttons

There are four menu operation buttons on the front panel of the monitor.

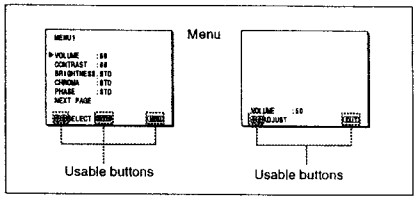


Button functions depend on the displayed menu. The following table shows the button functions on the item selection menus and adjustment and setting menus.

Button	Function on the item selection menus	Function on the adjustment and setting menus
❶ MENU/EXIT	To return to the regular screen.	To return to the item selection menu.
❷ ↓	To move the cursor downward.	To decrease value/select item.
❸ ↑	To move the cursor upward.	To increase value/select item.
❹ ENTER	To decide a selected item.	To decide a selected item[a].

a) You can use the ENTER button only on the 2d USER MEMORY menu of the adjustment and setting menus.

Usable buttons depend on the displayed menu. Buttons that can be used on the menu are displayed at the bottom line of the screen. You can perform menu operation using displayed buttons.



Display of the usable menu operation buttons

Operating procedures

To display the menu, follow this procedure.

1 Press the MENU/EXIT (❶) button.

1 MENU 1 appears.

To select items other than ones not displayed on MENU 1
Select 2 MENU 2 or 3 MENU 3 [1].

For details of how to select, see the "To change the item selection menus" described later.

2 Move the cursor to the desired item by pressing the ↓ or ↑ (❷, ❸) button.

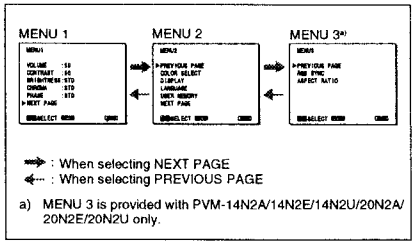
3 Press the ENTER (❹) button.

The adjustment and setting menu selected in step **2** appears.

For detailed information of menus, see "Functions of On-Screen Menus".

1) 3 MENU 3 is provided with PVM-14N2A/14N2E/14N2U/20N2A/20N2E/20N2U only.

To change the item selection menus
Select NEXT PAGE on the menu to display next item selection menu and PREVIOUS PAGE on the menu to display the previous item selection menu.



a) MENU 3 is provided with PVM-14N2A/14N2E/14N2U/20N2A/20N2E/20N2U only.

How to change the item selection menu

To return to the item selection menu from the adjustment and setting menus
Press the MENU/EXIT (❶) button on the currently displayed adjustment and setting menu.

To close the menu (to return to the regular screen)
Press the MENU/EXIT (❶) button when the item selection menu is displayed. The on-screen menu disappears and the regular screen appears.

Functions of On-Screen Menus

Item selection menus

1 MENU 1
MENU 1 menu has the following selection items.

Item	Functions
VOLUME	To obtain the desired volume
CONTRAST	To adjust the contrast
BRIGHTNESS	To adjust the brightness
CHROMA	To adjust the color intensity
PHASE	To adjust the phase

2 MENU 2
MENU 2 menu has the following selection items.

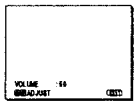
Item	Function
COLOR SELECT	To select the color system of the input signal
DISPLAY	To select period of display
LANGUAGE	To select the menu language
USER MEMORY	To store and recall the values and settings adjusted by a user, and recall the factory-settings

3 MENU 3 (for PVM-14N2A/14N2E/14N2U/20N2A/20N2E/20N2U only)
MENU 3 menu has the following selection items.

Item	Function
RGB SYNC	To select the sync signal when the RGB signals are input
ASPECT RATIO	To select the aspect ratio

Adjustment and setting menu

1a VOLUME menu (Factory setting: 50)



Adjust the speaker volume.
The volume increases by pressing the ↑ button.
The volume decreases by pressing ↓ button.

1b CONTRAST menu (Factory setting: 60)

Adjust the contrast of the screen.
The contrast becomes higher by pressing the ↑ button.
The contrast becomes lower by pressing ↓ button.

1c BRIGHTNESS menu (Factory setting: STD)

Adjust the brightness of the screen.
The screen becomes brighter by pressing the ↑ button.
The screen becomes darker by pressing ↓ button.

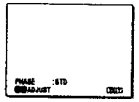
1d CHROMA menu (Factory setting: STD)

Adjust the color intensity of the video signal.
The color intensity strengthens by pressing the ↑ button.
The color intensity weakens by pressing ↓ button.

Note

The color intensity of an composite video signal or a Y/C separate signal can be corrected on this menu. That of the RGB signals cannot be corrected.

1e PHASE menu (Factory setting: STD)

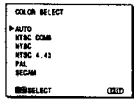


Adjust the phase of the video signals.
The skin tone becomes greenish by pressing the ↑ button.
The skin tone becomes purplish by pressing the ↓ button.

Note

The phase of an NTSC composite video signal or a Y/C separate signal can be corrected on this menu. The PAL composite video signal or a Y/C separate signal and RGB signals cannot be corrected.

2a COLOR SELECT menu (Factory setting: AUTO)



Select the color system of the input signal.
AUTO: Input color systems are automatically selected. When you input NTSC signal, trap filter will activate. To monitor NTSC signal with comb filter, select NTSC COMB in this menu.

2b DISPLAY menu (Factory setting: SHORT TIME)

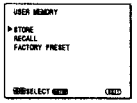
Select the period of displaying the color system of the current input signals.
The items have the following functions.

Item	Function
SHORT TIME	To display the kind of color system being used for several seconds on the screen each time you change the signal input.
LONG TIME	To display the kind of color system being used for approximately five minutes on the screen each time you change the signal input.
OFF	Not to display the kind of the color system.

2c LANGUAGE menu (Factory setting: ENGLISH)

Select the menu language among the five languages, English, German, French, Italian and Spanish.

2d USER MEMORY menu

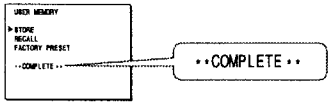


The items have the following functions.

Item	Function
STORE	To store all adjustments and settings currently set on each menu into the internal memory.
RECALL	To recall all adjustments and settings currently stored in the internal memory.
FACTORY PRESET	To reset the adjustments and settings currently set on each menu to the factory settings.[a]

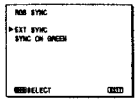
a) The current settings and adjusted values are reset to the factory settings. The values and settings adjusted and stored in the internal memory by using the STORE menu, however, are not changed. To reset internally stored adjusted values and settings to the factory setting, select FACTORY PRESET, first, then select STORE.

When you press the ENTER (❹) button, the following message is displayed for about two seconds. The currently selected item becomes active when pressing the ENTER (❹) button.



The following menus are provided with the PVM-14N2A/14N2E/14N2U /PVM-20N2A/20N2E/20N2U only.

3a RGB SYNC menu (Factory setting: EXT SYNC)



Select the sync signal when the RGB signals are input.
The items have the following functions.

Item	Function
EXT SYNC	To operate the monitor on an external sync signal fed through the RGB SYNC connector.
SYNC ON GREEN	To operate the monitor on the sync signal from the G channel.

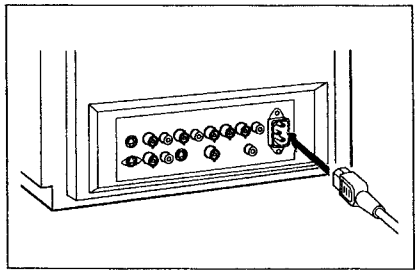
3b ASPECT RATIO menu (Factory setting: 4:3)

Select the aspect ratio of the screen.

Connections

How to Connect the AC Power Cord

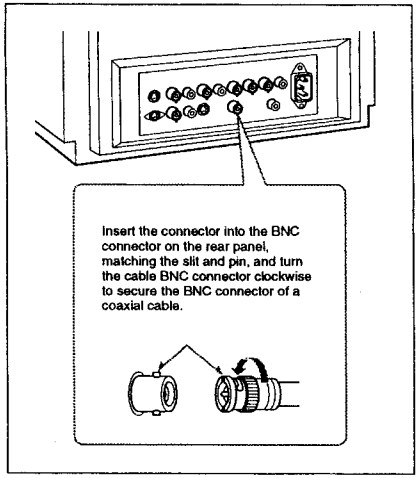
Connect the AC power cord (supplied) to the ~AC IN connector and to a wall outlet.



PVM-20N2A/20N2E/20N2U rear panel

How to Connect a Cable to a BNC Connector

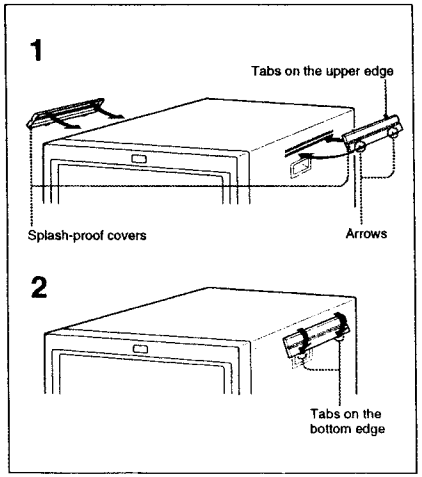
Connect the coaxial cable with the BNC connectors to the BNC connectors on the rear panel as illustrated below.


Insert the connector into the BNC connector on the rear panel, matching the slit and pin, and turn the cable BNC connector clockwise to secure the BNC connector of a coaxial cable.

PVM-20N2A/20N2E/20N2U rear panel

Attaching the Splash-Proof Covers

(PVM-14N1MDE only)



In order to protect the ventilation holes from splashes from medicines, etc., attach the supplied splash proof covers as illustrated.

1 Hook the tabs on the upper edge into the ventilation holes, making sure that the arrows on the cover are facing down.

Note

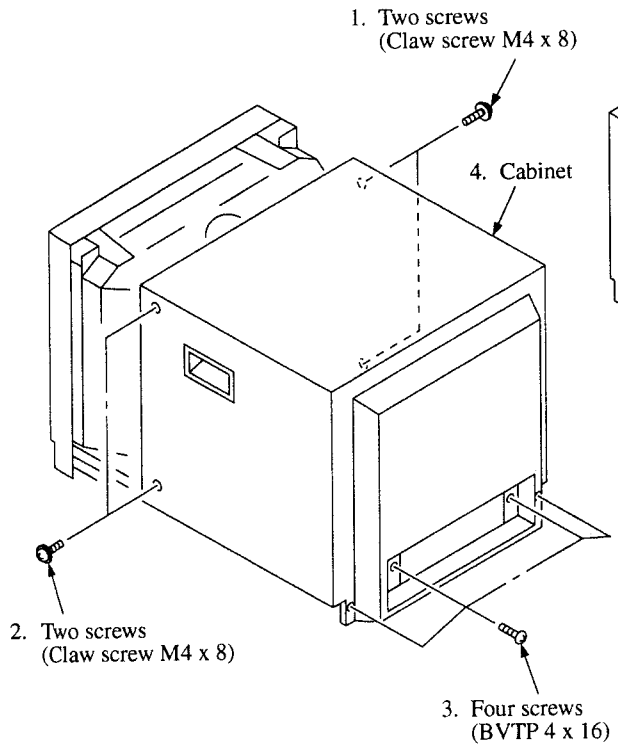
Attach the splash-proof covers on all ventilation holes.

2 Push up the tabs on the bottom edge and fit the cover into the lowest ventilation holes.

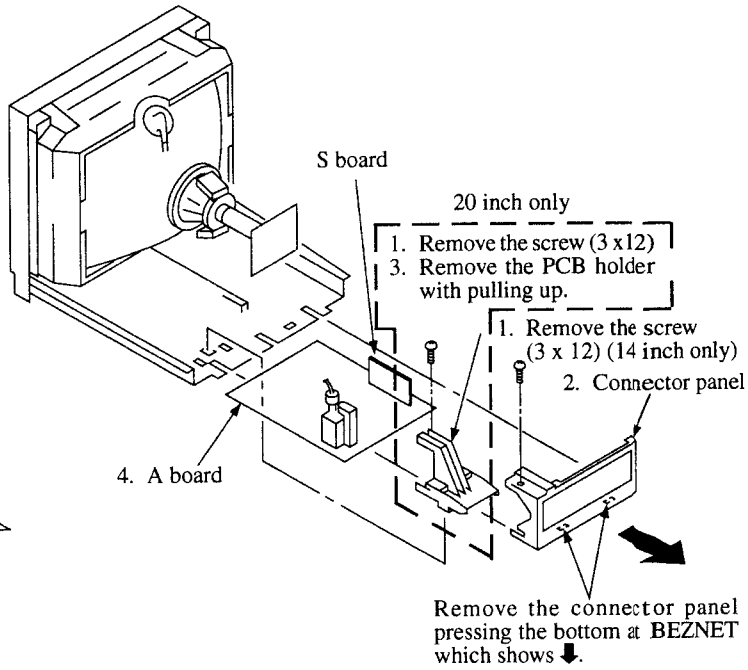
Attach covers on both left and right vents.

SECTION 2
DISASSEMBLY

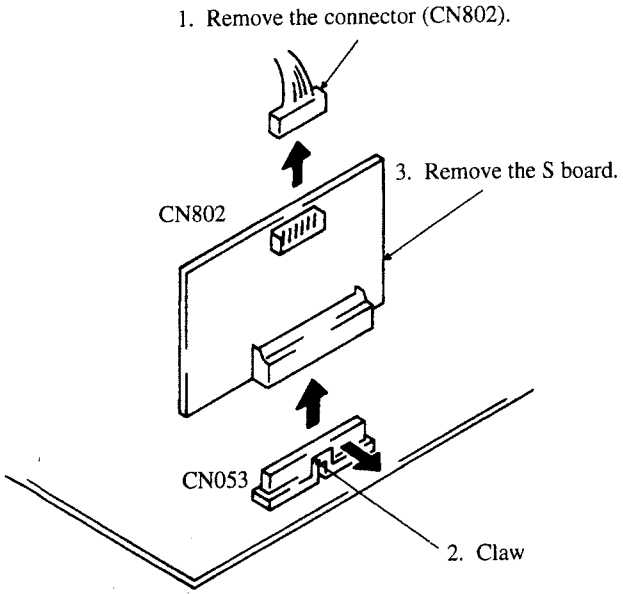
2-1. CABINET REMOVAL



2-2. A BOARD REMOVAL

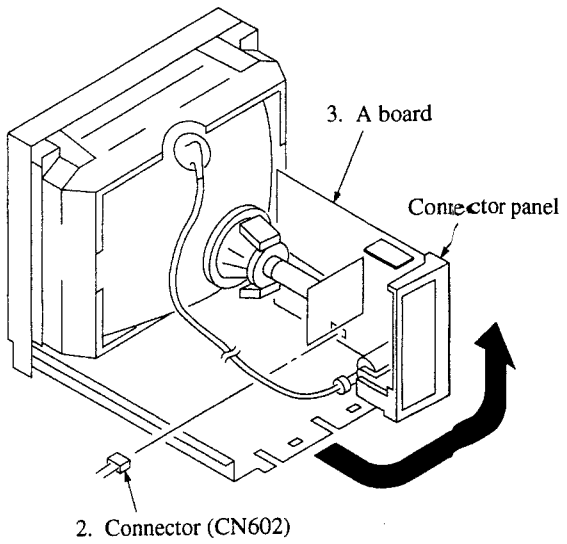


2-3. S BOARD REMOVAL

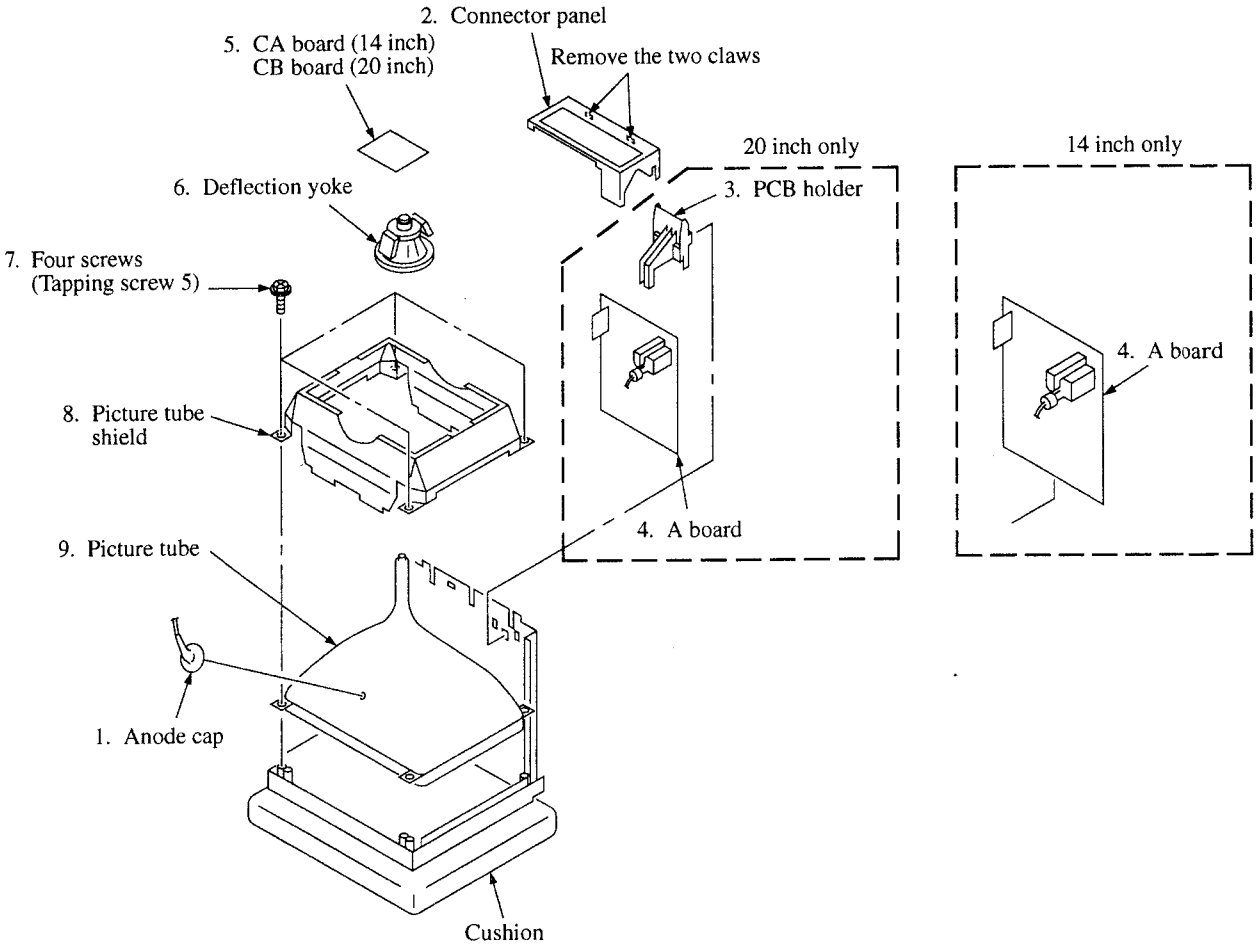


2-4. SERVICE POSITION

1. Remove the A board (Refer to 2-2)



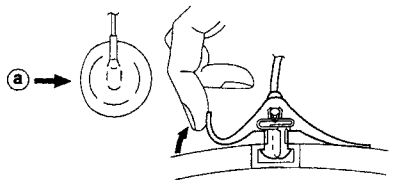
2-5. PICTURE TUBE REMOVAL



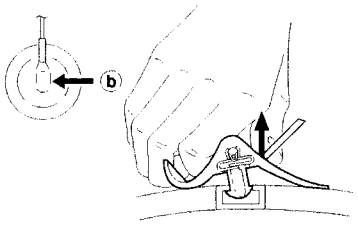
• REMOVAL OF ANODE-CAP

NOTE: Short circuit the anode of the picture tube and the anode cap to the metal chassis, picture tube shield or carbon painted on the picture tube, after removing the anode.

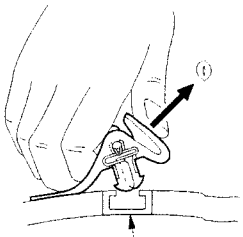
• REMOVING PROCEDURES



1. Turn up one side of the rubber cap in the direction indicated by the arrow ⓐ.



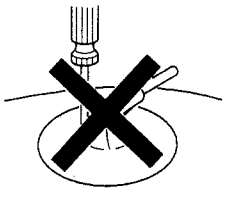
2. Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ⓑ.

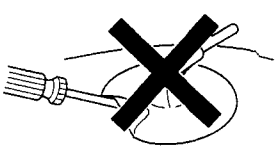


3. When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow ⓒ.

• HOW TO HANDLE AN ANODE-CAP

1. Don't hurt the surface of anode-caps with sharp shaped material!
2. Don't press the rubber hardly not to hurt inside of anode-caps!
   A material fitting called as shatter-hook terminal is built in the rubber.
3. Don't turn the foot of rubber over hardly!
   The shatter-hook terminal will stick out or hurt the rubber.





SECTION 3
SET-UP ADJUSTMENTS

3-1. PREPARATIONS (1)

Perform all adjustments after five minutes the power is turned ON.

Service Mode

This set is provided with a service switch on the front panel that can be used to make various adjustments. The operation method of this switch is explained in detail below.

1. ENTERING THE SERVICE MODE

Simultaneously press both the [ENTER] key and [MENU] key that do not display condition any menus. When "Ver ***" is displayed on the screen, press the [ENTER] key twice.

(4)	
(1)	(2)
(3)	

Range of Service Mode Display

2. SERVICE MODE DISPLAY

(1) This is the serial number for each of the service items.0-65.
(2) The service item a name displayed.
(3) This is the adjustment data for the service items that are now stored in the RAM. Adjustments can be made by changing these values, but as long as nothing is saved to the ROM the adjustment values will be erased by turning off the power or by input select, so please be careful.
(4) SAVE a displayed to the guidance.

3. FINISHING THE SERVICE MODE

Simultaneously press the [ENTER] key and the [MENU] key shown in the display of the menu.

4. CHANGE OF SERVICE ITEMS

The item are returned with the [LINE-A] key and forwarded with the [LINE-B] Key. When a key is continuously pressed, the operation will be repeated.

5. CHANGE OF SERVICE DATA

The service data is made larger with the [↑] key and smaller with the [μ] key. When continuously pressing the keys, the operation will be repeated.

6. READING THE SERVICE DATA

For items with different adjustment data for each input line, return to the normal mode, switch the input , enter the service mode again, and perform the adjustment.
For items with different adjustment data for every color standard, return to the normal mode, select COLOR SELECT in the forcible mode, enter the service mode again, and perform the adjustment.

7. WRITING OF SERVICE DATA

When writing data from the RAM to the ROM, press the [MENU] key once and check that the SAVE display is shown in the guidance, and then press the [MENU] key once again to display SAVE ♪♪. Not only the displayed data will be written, but all data, so please be careful.

Note: The [LINE-A] and [LINE B] buttons of the A board must be pressed after the service mode cabinet of SSM-14N1E/14N1U/20N1E/20N1U is removed.

Initial Setting of Service Data ROM

Common for Each Model

NO.	DISP	ITEM	14inch	20inch
00	PKUN	Peaking level undershoot	0	0
01	PKOV	Peaking level overshoot	0	0
02	CPKV	Peaking level for chroma red (R-Y)	3	3
03	CCOR	Coring level for chroma peaking	3	3
04	CPKU	Peaking level for chroma blue (B-Y)	3	3
05	CFS	Trap filter characteristic broad/narrow (Include NTSC, PAL and SECAM)	1	1
06	H CENT	H.center of composite signal (Video phase)	6E	6E
07	WDRV	White drive value for measurement reserved	190	190
08	EWDM	White drive measurement disabled/enabled	0	0
09	VBSO	V. blanking stop	14	14
10	AVST	Start of active video	17	17
11	AGCREF	Sync amplitude reference	2DC	2DC
12	(V CENT) <*V CENT>	V. center	D9D	D9D
13	VIDEO S-BRT	Video sub bright	100	100
14	RGB S-BRT	RGB sub bright	100	100
15	RGB CONT	RGB maximum contrast (Adjust for max point of cont)	10D	10D
16	CLPGI	Integral clamp loop gain	1	1
17	CLPGP	Proportional clamp loop gain	6	6
18	CLPMD	Clamping mode	(D)<5>	(D)<5>
19	*DRIVE LIMIT	Current feed back pulse drive (Define the size of feedback pulse)	1D0	1D0
20	KILHY	Amplitude color killer hysteresis	2	2
21	KILVL	Ampllitude color killer level	9	9
22	GAIN	AGC gain value	2D	2D
23	SGAIN	Start value for AGC gain	2D	2D
24	BCLTHR	Threshold level for beam current limiter	[CA] (BE)<12>	[13E] (E1)<E5>
25	BCLTM	Time constant for beam current limiter	[7](8)<5>	[7](8)<5>
26	BCLG	Loop gain for beam current limiter	[80] (B00)<05>	[809] (919)<805>
27	BCLMIN	Minimum contrast for beam current limiter (Define the value of contrast)	0	0
28	INTLC	Interlace offset	0	0
29	EHT	Correction level for zooming picture	[2A] (2A)<2A>	[2A] (2A)<33>
30	EHTTM	Time constant for EHT	[3](6)<3>	[6](6)<3>
(31)	(SLCLVL)	(Sync. slice level)	(89C)	(89C)
<31>	<SVWIN1>	H-PLL stop timing	<7>	<7>
<32>	<SVWIN2>	H-PLL start timing	<FFC>	<FFC>
(32)<33>	IF1	Proportional H-PLL gain(H-PLL defines the time constant of AFC from IF-1 and IF-2 which make movements for AFC of H)	1E	1E
(33)<34>	IF2	Integral H-PLL gain (H-PLL defines the time constant of AFC from IF-1 and IF-2 which make movements for AFC of H)	B	B
(38)<39>	*R C/O	Red cutoff	1D	47
(39)<40>	*G C/O	Green cutoff	14	43
(40)<41>	*B C/O	Blue cutoff	16	64

– Continued on next page –

NO.	DISP	ITEM	14inch	20inch
(50)<51>	*H SIZE	H. size	EE	1C
(51)<52>	*PIN PHASE	Pin phase	F4	F5
(52)<53>	*PIN AMP	Pin amp	AE	8A
(53)<54>	*H SEXY PIN	H. sexy pin	FE	FB
(54)<55>	*H COR PIN	H. correction pin	48	6D
(55)<56>	V PO	Initial value for V.center	0	0
(56)<57>	*V SIZE	V. size	53	66
(57)<58>	*V LIN DOWN	V. linearity down	FF	3
(58)<59>	*V LINE UP	V. linearity up	EE	F1
(59)<60>	CHROMA	Chroma center	55	55
(64)	(COMB)	Timing for NTSC comb filter	(C3)	(C3)
<65>	*<DA TRIM>	Trimming level for video output	<200>	<200>

Exclusive to Each Model

NO.	DISP.	ITEM	With RGB	Without RGB
(63)<64>	MODEL	Model selection	1	0

Setting for Each Input

NO.	DISP.	ITEM	VIDEO		ANALOG-RGB	
			14inch	20inch	14inch	20inch
(35)<36>	*R DRIVE	Red drive	254	1D5	254	1D5
(36)<37>	*G DRIVE	Green drive	21A	1E8	21A	1E8
(37)<38>	*B DRIVE	Blue drive	1B6	186	1B6	186
(41)<42>	RGB CLAMP	Clamp timing for RGB (Pedestal clamp)	180	180	180	180
(42)<43>	SYNC F B	Timing between sync and fly back pulse	7	7	7	7
(60)<61>	*R C/O REF	Red cutoff reference	A0	A0	A0	A0
(61)<62>	*G C/O REF	Green cutoff reference	70	70	70	70
(62)<63>	*B C/O REF	Blue cutoff reference	50	50	50	50

Setting for Each Line Frequency

NO.	DISP.	ITEM	525/60	625/50
(43)<44>	PMST	Picture measurement start	14	14
(44)<45>	PMSO	Picture measurement stop	F9	132
(45)<46>	TML	Measurement line for beam current feed back (The position of beam current feedback pulse is changeable)	B	B
(46)<47>	H BLK1	H blanking stop	2E	2C
(47)<48>	H BLK2	H blanking start	0	1
(48)<49>	VBST	V. blanking start	FA	133

Setting for Each Color Standard

NO.	DISP.	ITEM	NTSC 358		NTSC 443	PAL	SECAM
			TRAP	COMB			
(34)<35>	TINT	NTSC tint angle	FFF	A8	-	-	-
(49)<50>	L/C DELAY	Luminance/chroma delay	3	3	3	3	17

Note:

1. Each IC version has its own displays of service mode. Refer to the followings.
   No mark : common
   ( ) : Ver 1.20/1.30/1.40
   < > : Ver 2.00
   [ ] : for V901 (black CRT)

   * V901 has been changed from a gray CRT to a black CRT.
   Refer to SECTION 8. Electrical Parts List on page 71 for the list of serial numbers.

2. The data with marking "*" to the name of signal can be changed freely.
   The data without marking "*" is a fixed data.

3-2. PREPARATIONS (2)

* When composite video signal are supplied, they must be supplied as below.

Signal		Signal Contents	Standard Level P-W
COMPOSITE VIDEO	358NT 443NT	100% WHITE	0.714V
		75% WHITE	0.536V
		BURST (GREEN) (This item only P-P)	286mV (632mV)
	PAL SECAM	100% WHITE	0.7V
		75% WHITE	0.525V
		PAL BURST (GREEN) (This item only P-P)	300mV (664mV)

* In this document, terms inside boxes ☐ are names of service mode adjustments.

  Example [H. SIZE]

* After making adjustments in service mode, save the adjustment data before cutting off the power. If you cut off the power without saving, the results of your adjustments are all lost.

* Standard inspection conditions
  Unless specifically specified otherwise in this document. the following conditions are used for adjustments and inspections.

VOLUME	50%
CONTRAST	60%
BRIGHTNESS	STD
CHROMA	STD
PHASE	STD
ASPECT RATIO	4:3

3-3. WRITING MODEL DATA

1. In service mode, write in the following model data at No. 63 [MODEL].

PVM- 14N1A, 14N1E, 14N1MDE, 14N1U, 20N1A, 20N1E, 20N1U 0

PVM- 14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U 1

SSM- 14N1E, 14N1U, 20N1E, 20N1U 0

3-4. PICTURE OUTPUT

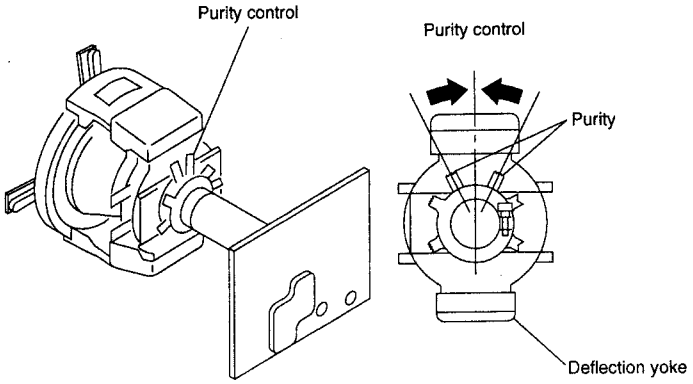
1. Set the AC input voltage.
   (1) Input the video and audio signals to the corresponding terminals on the connector panel.
   (2) Set the sliduck voltage as shown on the right.

Model	Voltage
PVM- 14N1U/14N2U/ 20N1U/20N2U SSM- 14N1U/20N1U	AC120 ± 3V (Distortion rate: 3% or less)
PVM- 14N1A/14N1E/ 14N1MDE/ 14N2A/14N2E/ 20N1A/20N1E/ 20N2A/20N2U SSM- 14N1E/20N1E	AC220 ± 3V (Distortion rate: 3% or less)

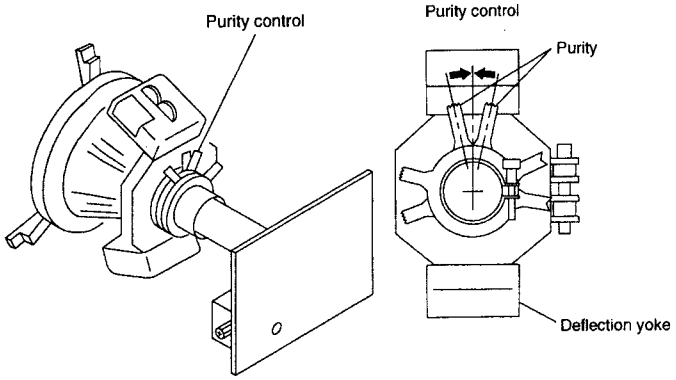
3-5. LANDING ADJUSTMENT

1. Preparations
   1) To reduce the influence of geomagnetism, face the set's CRT screen east or west.
   2) Loosen the deflection yoke fixture and lower the deflection yoke to the rear.
   3) Switch on the Power switch and degauss with the degausser.
   4) Adjust the deflection yoke tilt.
   5) Switch (S501) position is center.
2. Adjustment
   1) CONTRAST ..... MIN
      BRIGHTNESS.... Position providing good vision
   2) The rough adjustments of the white balance, G2, and convergence must be completed already.
   3) Set green-only.
   4) Adjust the purity knob so that the green comes to the center of the screen. Make the red and blue about even. Fig.1
   5) Switch to blue only, red only, and green only and verify each. Fig. 1, 2, and 3
   6) Bring the deflection yoke gradually forward and adjust the deflection yoke so that the R and B at both sides of the screen become green. Fig.2→3
   7) If the deflection yoke comes too far forward, you will see the pattern shown in Figure 4. If that happens, lower the deflection yoke to the rear. Fig. 4→3
   8) Switch the single color switch to B and verify the single color. Fig.6
   9) Switch the single color switch to R and verify the single color. Fig.9
   10) When one of the colors does not become the single color correctly, check by repeating items 7 and 8 based on the single color not coming into adjustment.
       If you can not obtain landing in the corners, paste on magnets.
   11) Switch to an all-white signal and check the uniformity.
   12) When the deflection yoke position is determined, fasten it with the fixture.

14 inch

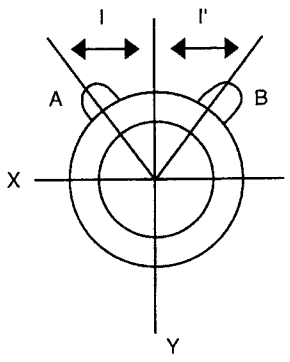


20 inch



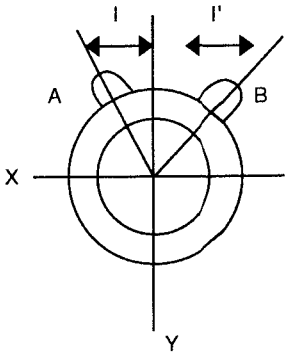
3-6. CONVERGENCE ADJUSTMENT

1. Input a dot pattern signal.
   CONTRAST ..... Position providing good vision
   BRIGHTNESS.... MIN
2. Align the horizontal R, G, and B dots at the center of the screen with the H-STAT VR. (*1)
   *1: If the H-CENTER adjustment was after the H-STAT adjustment, re-adjust the H-STAT.
   (The H-CENT SW changes the H-STAT too.)
3. Align the R, G, and B at the center of the screen with the V-STAT magnets. (*2)
   *2: After the V-STAT adjustment, paint on the knobs to lock them.



Good example

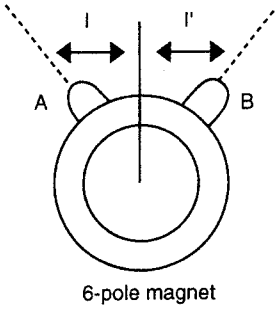
V-STAT magnet knobs While keeping the angles for A and B equal (I=I'), align the vertical convergence.



Bad example

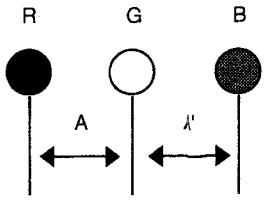
If the A and B knobs are not symmetrical (I=I'), this has bad effects. The focus may deteriorate and beam striking may occur.

4. For HMC, use the 6-pole magnet to adjust the R and B dots to be symmetrical left and right about the G dot. (*1)

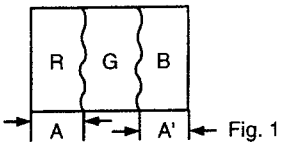


6-pole magnet

The HMC adjustment changes the opening of the 6-pole magnet.



Adjust the 6-pole magnet so that A=A'. You must maintain the relationship I=I' while moving the magnet.



A'=A

Fig. 1

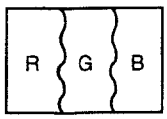


Fig. 2

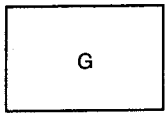


Fig. 3

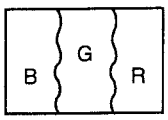


Fig. 4

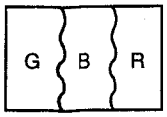


Fig. 5

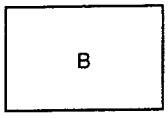


Fig. 6

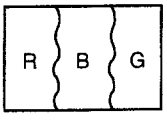


Fig. 7

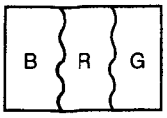


Fig. 8

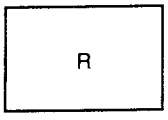


Fig. 9

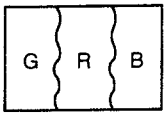
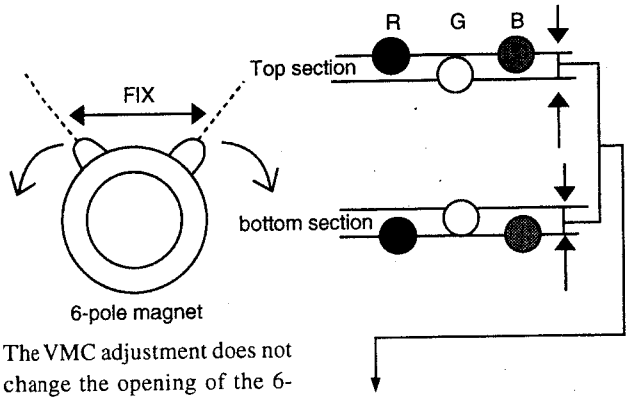


Fig. 10

5. For VMC, use the 6-pole magnet to adjust the R and B dots to be symmetrical above and below the G dot. (*2)

*2:

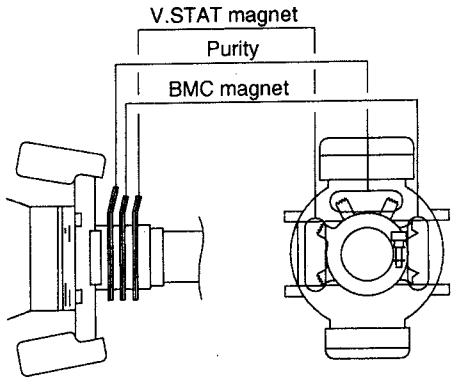


The VMC adjustment does not change the opening of the 6-pole magnet, but turns it left and right.

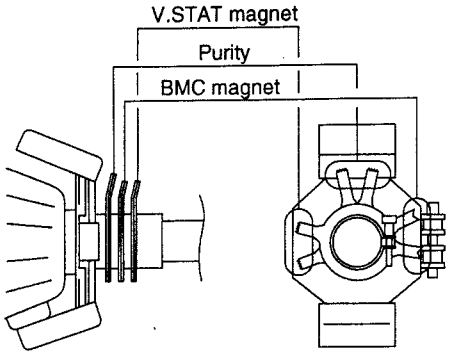
24 Adjust so that the displacement up and down are the same.

6. Adjust by repeating the adjustments in Items 2 through 5. (*3)
   *3: The above adjustment may affect the landing, so after this adjustment, check the landing again.
7. After the adjustment is complete, paint on the knobs to lock them.

14 inch



20 inch

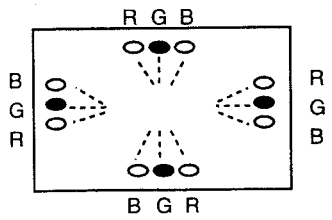


3-7. DEFLECTION YOKE NECK ROTATION ADJUSTMENT

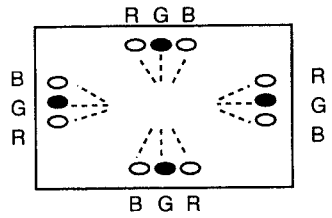
If there is misconvergence at both sides on the X or Y axis of the screen, turn the neck of the deflection yoke in the direction of the arrow to reduce the misconvergence for the entire CRT screen to within the tolerance.

1. Reverse misconvergence pattern

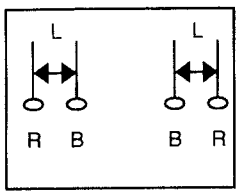
Turn the deflection yoke neck down.



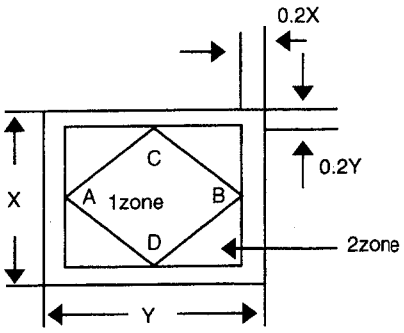
Positive misconvergence pattern
Turn the deflection yoke neck up.

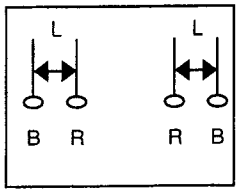


Pattern when deflection yoke too far to the left.



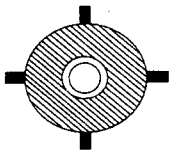
As viewed from the CRT screen, turn the deflection yoke neck to the right.



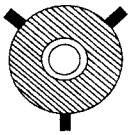


Pattern when deflection yoke too far to the right.

2. Insert the wedges into the DY and CRT funnel face to fix the DY. The number and position of the wedges are shown in the figure below.

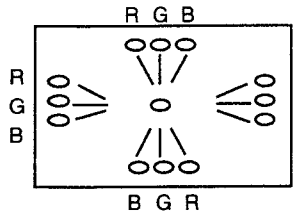


Position of 14 inch wedge

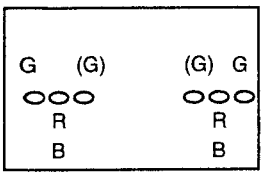


Position of 20 inch wedge

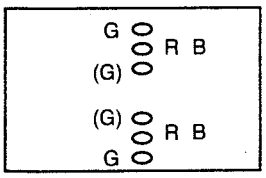
3. The pattern below can not be corrected by turning the neck.



*Gun rotation
The beam is twisted at both sides on the X axis and Y axis.



*HCR large (small)
At both sides of the screen the G raster horizontal component is wider (narrower) than those of the R and B rasters.



*VCR large (small)
At both sides of the screen, the G raster vertical component is wider (narrower) than those of the R and B rasters.

3-8. G2 ADJUSTMENT

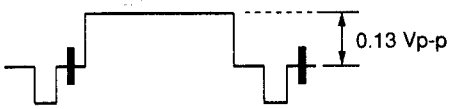
1. Input the 625 or 525 all black signal.
2. Select the voltage shown below for each R, G, and B cathodes.
   14 inch→DC175.0V
   20 inch→DC160.0V
3. Adjust G2 VR so that the raster is slightly luminous.

3-9. WHITE BALANCE ADJUSTMENT

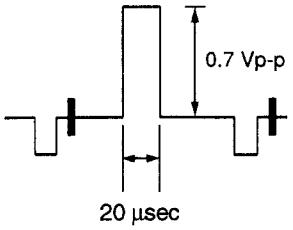
This model performs control of the white balance using the microprocessor.
To adjust the white balance, first adjust the white balance of the actual images using [R C/O], [G C/O], [B C/O], and [R DRIVE], [G DRIVE], [B DRIVE], and then save the four reference data [DRIVE LIMIT], [R REF], [G REF], and [B REF] used for the microprocessor to perform control.

For measuring equipment, use a color analyzer. (for example from Minolta, etc.)

(Figure 1)



(Figure 2)



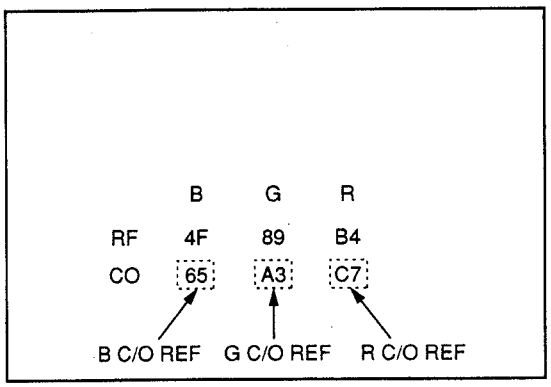
1. Set contrast 50 and other settings to the standard level.
2. Set the LINE-A input.
3. Enter the service mode.
4. Input a gray signal (Figure 1) to LINE-A.
5. Adjust [G C/O] so that the luminance becomes 3±0.2 nit.
6. Adjust [R C/O] and [B C/O] so that the white balance becomes the color temperature shown in Table 2 as below.
7. Repeat 5 to 6 until the luminance and color temperature meet the specification.
8. Input the window signal (Figure 2) to LINE-A.
9. Adjust [G DRIVE] so that the luminance becomes 120±1 nit.
10. Adjust [R DRIVE] and [B DRIVE] so that the white balance becomes the color temperature shown in Figure 2.
11. Repeat 9 to 10 until the luminance and color temperature meet the specification.
12. Cutoff is shifted when drives are changed. Therefore, repeat 4 to 11 for the drive and cutoff until the luminance and color temperature meet the specification.
13. Save the data.

Table 2

Color Temp	D65 ± 1 JND

14. Press the [ENTER] key once to show the C/O REF screen.

C/O REF Screen



Numeric values are displayed in hexadecimal value.
(Numeric values in the figure are examples.)

15. Check that B C/O REF and G C/O REF and R C/O REF levels gather at the center of 0-FF (hexadecimal value). (Note 1)
(Note 1)
FF (hexadecimal value) – (R C/O REF)=(B C/O REF)

If the level is shifted from the center, press the [ENTER] key three times to return to the adjustment mode, and adjust [DRIVE LIMIT] to return to 14.
When [DRIVE LIMIT] is increased, [X C/O REF] also increases.
16. Save the data.
17. Check the [R C/O REF], [G C/O REF], [B C/O REF] values on the C/O REF screen, and note them on a piece of paper, etc. Next, press [ENTER] twice to set the adjustment mode. Change the [R C/O REF], [G C/O REF], and [B C/O REF] values to the values checked before, and save them.
18. Save the data.
19. Exit the service mode.
20. Select the RGB input. (Note 2)
(Note 2) Press the [RGB] key for the model with RGB. Short-circuit between S006 and GND once for the model without RGB (including SSM series).
21. Enter the service mode.
22. Set the values of [R DRIVE], [G DRIVE] and [B DRIVE] determined in step 9, 10 to [R DRIVE], [G DRIVE] and [B DRIVE].
23. Set the values of [R C/O REF], [G C/O REF], and [B C/O REF] determined in step 17 to [R C/O REF], [G C/O REF], and [B C/O REF].
24. Save the data.
25. Exit the service mode.
26. Return the input to LINE-A. (Note 3)
(Note 3)
As for the SSM series, press S008 on the board A.

3-10. FOCUS ADJUSTMENT

Note :PVM-14 inch models are adjusted with RV702 on the CA board.
PVM-20 inch models are adjusted with RV on the upper side of the FBT unit.

1. Input a 525 monoscope signal.
2. Adjust the focus to optimize the focus on the characters "30" at the center of the screen.
3. Switch to an all-white signal and check the uniformity.

SECTION 4
SAFTY RELATED ADJUSTMENT
(US Model only)

The following adjustments should always be performed when replacing the following components (marked with ⊠, ◪ on the schematic diagram).

Marking Parts (⊠) C501, C502, C503, C504

Marking Parts (◪) C317, C318, C501, C502, C503, C504, C507, D102, D103, L505, Q102, R107, R108, R110, R304, R305, R306, R307, T501, IC001, IC301

B+ VOLTAGE CONFIRMATION

Standard : less than 116.0VDC
Check Condition Input voltage : $130 \pm^{2}_{0}$VAC
Note : Use NF Power Supply or make sure that distortion factor is 3% or less.
Input signal : Monoscope signal
Controls : BRT & PIC ⇨ Normal

HOLD-DOWN CIRCUIT VOLTAGE CONFIRMATION

Check Condition Input voltage : $130 \pm^{2}_{0}$V
Input signal : Monoscope signal
Control : BRT & PIC Normal
+B voltage : less than 116.0VDC

Hold down circuit (Tertiary coil detection voltage)
Confirmatory item : 95.0V (14 inch), 125.0V (20 inch) voltage should be applied to the cathode side of D103.

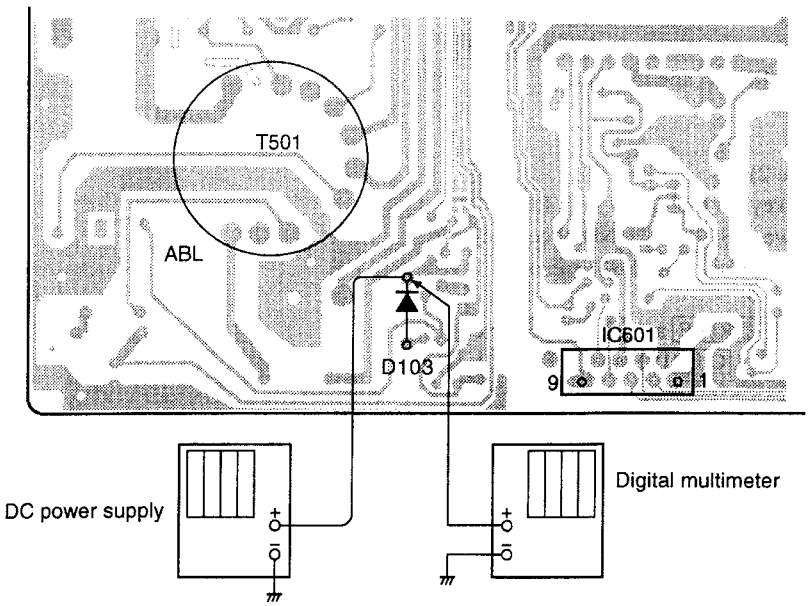
a) When I_{ABL} = 600 ± 50μA (14 inch), 1000 ± 50μA (20 inch) raster goes out when applying less than DC 116.0 ± 0.2V (14 inch), 153.0 ± 0.2V (20 inch) voltage to the cathode side of D103.

Input signal: ALL white

b) When I_{ABL} =40 ± 20μA (14 inch), 120 ± 20μA (20 inch) raster goes out when applying less than DC 124 ± 0.2V (14 inch), 153.0 ± 0.2V (20 inch) voltage to the cathode side of D103.

Input signal : Dot

A BOARD (CONDUCTOR SIDE)



SECTION 5
CIRCUIT ADJUSTMENTS

I. Preparations

* The levels of the signals supplied must be within ± 2% of the standard on the right.

Signal		Signal Contents	Standard Level (Pedestal-White)
COMPOSITE VIDEO (75% COLOR BAR)	358NT 443NT	100% WHITE	0.714V
		75% WHITE	0.536V
		BURST (GREEN) (This item only P-P)	286mV (632mV)
	PAL SECAM	100% WHITE	0.7V
		75% WHITE	0.525V
		PAL BURST (GREEN) (This item only P-P)	300mV (664mV)

II.Deflection System Adjustment

1. VERTICAL DEFLECTION SECTION Adjustment

The 16:9 mode is available only for the RGB model.

NORMAL V. SIZE Standards

		525 SPCB	625SPCB
4 : 3		12.8 ± 0.2 frames	12.8 ± 0.3 frames
16:9	14inch	157mm	←
	20inch	221mm	←

1. Input a 525 special color bar signal.
2. Set :
   CONTRAST 60%
   BRIGHTNESS..... STD
3. Put the unit into service mode.
4. Roughly adjust SIZE to 12 frames with [V.SIZE].
   Adjust V.LIN with [V.LINE UP] and [V.LIN DOWN].
   Adjust V.CENT with [V.CENT]. (Refer to Note 1.)
   Set SIZE to the specified value with [V.SIZE].
5. Make sure that V.SIZE meets the specified value.
6. Select the 16:9 mode.
7. Make sure that V.SIZE meets the specified value of the 16:9 mode.
8. Select the 4:3 mode.
9. Input the 625 special color bar signal.
10. Make sure that V.SIZE meets the specified value.
11. Select the 16:9 mode.
12. Make sure that V.SIZE meets the specified value of the 16:9 mode.

(Note 1) Adjust V.CENT and V.SIZE again after V.LIN is adjusted.

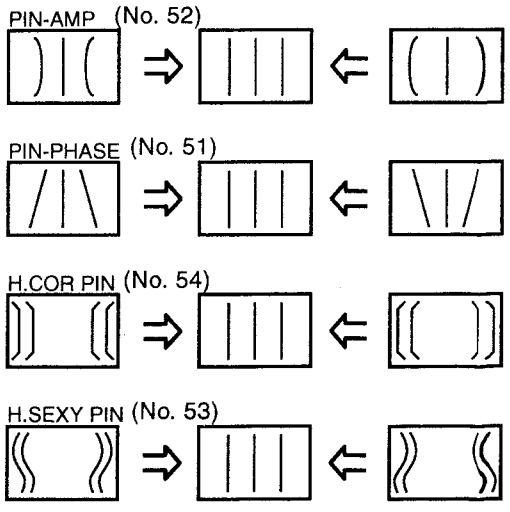
2. HORIZONTAL DEFLECTION SECTION ADJUSTMENT

The 16:9 mode is available only for the model with RGB.

1. Input a 525 special color bar signal.
2. Set :
   CONTRAST 60%
   BRIGHTNESS..... STD
3. Put the unit into service mode.
4. Roughly adjust [H. SIZE] so that the H. SIZE is 16 frames.
5. Adjust the horizontal deflection section with [PIN AMP], [PIN PHASE], [H. COR PIN], [H. SEXY PIN] and [H. SIZE]. (Adjust so that horizontal and vertical lines on the screen become a straight line while compensating the bow distortion.)
6. Select the 16:9 mode.
7. Make sure that there is no distortion on the screen.
8. Input the 625 special color bar signal.
9. Make sure that there is no distortion on the screen for both the 4:3 and 16:9 modes.

NORMAL H. SIZE standards

	525 SPCB	625 SPCB
4:3	16.8 ± 0.2 frames	16.8 ± 0.3 frames
16:9	16.8 ± 0.2 frames	16.8 ± 0.3 frames



III. Signal System Adjustment

1. VIDEO OUT level Adjustment

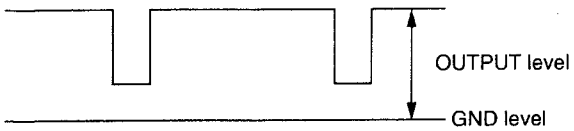
Serial No. 6000222 and Higher (PVM-14N1A)
Serial No. 6003700 and Higher (PVM-14N1E)
Serial No. 6000001 and Higher (PVM-14N1MDE)
Serial No. 6003584 and Higher (PVM-14N1U)
Serial No. 6000097 and Higher (PVM-14N2A)
Serial No. 6002486 and Higher (PVM-14N2E)
Serial No. 6002320 and Higher (PVM-14N2U)
Serial No. 6002356 and Higher (SSM-14N1E)
Serial No. 6002572 and Higher (SSM-14N1U)
Serial No. 6000092 and Higher (PVM-20N1A)
Serial No. 6000924 and Higher (PVM-20N1E)
Serial No. 6001488 and Higher (PVM-20N1U)
Serial No. 6000049 and Higher (PVM-20N2A)
Serial No. 6000799 and Higher (PVM-20N2E)
Serial No. 6000848 and Higher (PVM-20N2U)
Serial No. 6001086 and Higher (SSM-20N1E)
Serial No. 6000968 and Higher (SSM-20N1U)

Only the set of IC version 2.00 can perform this adjustment.

1. Input the NTSC color bar signal to the VIDEO IN of LINE-A.
2. Enter the service mode, and set the adjusting data as the setting below.

NO.	DISP.	DATA
26	BCLG	800
37	G DRIVE	0
40	G C/O	1FF

3. Connect the probe of the oscilloscope to the Q358 emitter .
4. Adjust [DA TRIM] so that the voltage (OUTPUT level) will become as below.



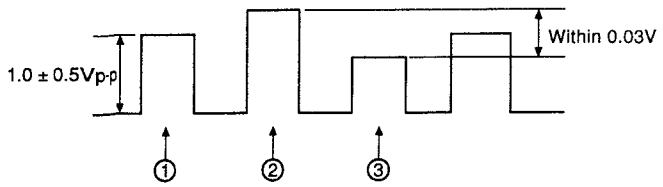
	V901 (gray CRT)	V901 (black CRT)	
OUTPUT level =	2.11 ± 0.01 V	2.50 ± 0.01 V	(14 inch)
OUTPUT level =	3.04 ± 0.01 V	3.34 ± 0.01 V	(20 inch)

- Refer to SECTION 8. Electrical Parts List on page 71 for the serial numbers of V901 (CRT).

5. After the adjustment, set the adjusting data of [B CLG], [G DRIVE] and [G C/O] to the default data, then save the data.
6. Exit the service mode.

2. NTSC COLOR DEMODULATION Adjustment

1. Input the NTSC color bar signal.
2. Select COLOR SELECT is NTSC COMB.
3. Connect the probe of the oscilloscope to Q353 emitter.
4. Adjust the contrast so that the first amplitude becomes 1.0 ± 0.5V.

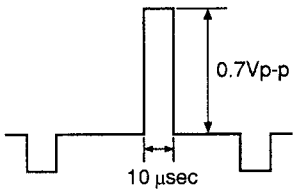


5. Enter the service mode.
6. Adjust [TINT] so that the height difference between the 2nd peak and the 3rd peak is less than 0.03V.
7. Save the data.
8. Exit the service mode.

3. ANALOG RGB MAX CONTRAST ADJUSTMENT

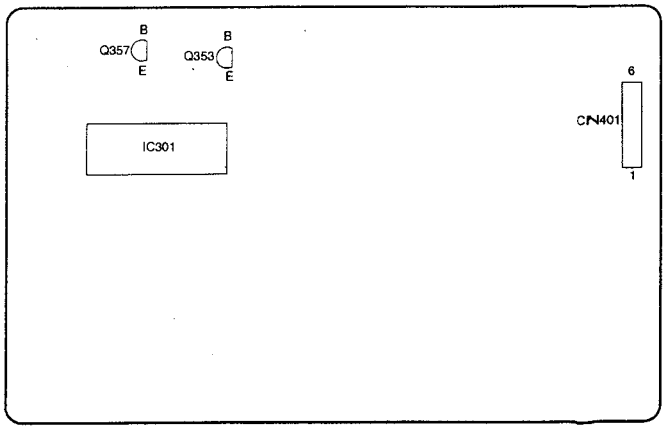
The adjustment also alters the brightness of OSD.

1. Input a window signal to the LINE-A and the GREEN of RGB. (Note 1)

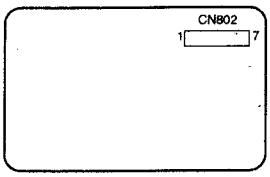


2. Set contrast MAX and other settings to the standard level.
3. Connect the probe of the oscilloscope to the Q357 emitter.
4. Adjust [RGB CONT] so that the amplitude of image becomes the same when LINE-A or RGB is selected.
5. Save the data.
   (Note 1) For the model without RGB, connect pin ① of CN401 (A board) and pin ③ of CN802 (S board) with a wire rod.
6. Exit the service mode.

A BOARD (COMPONENT SIDE)

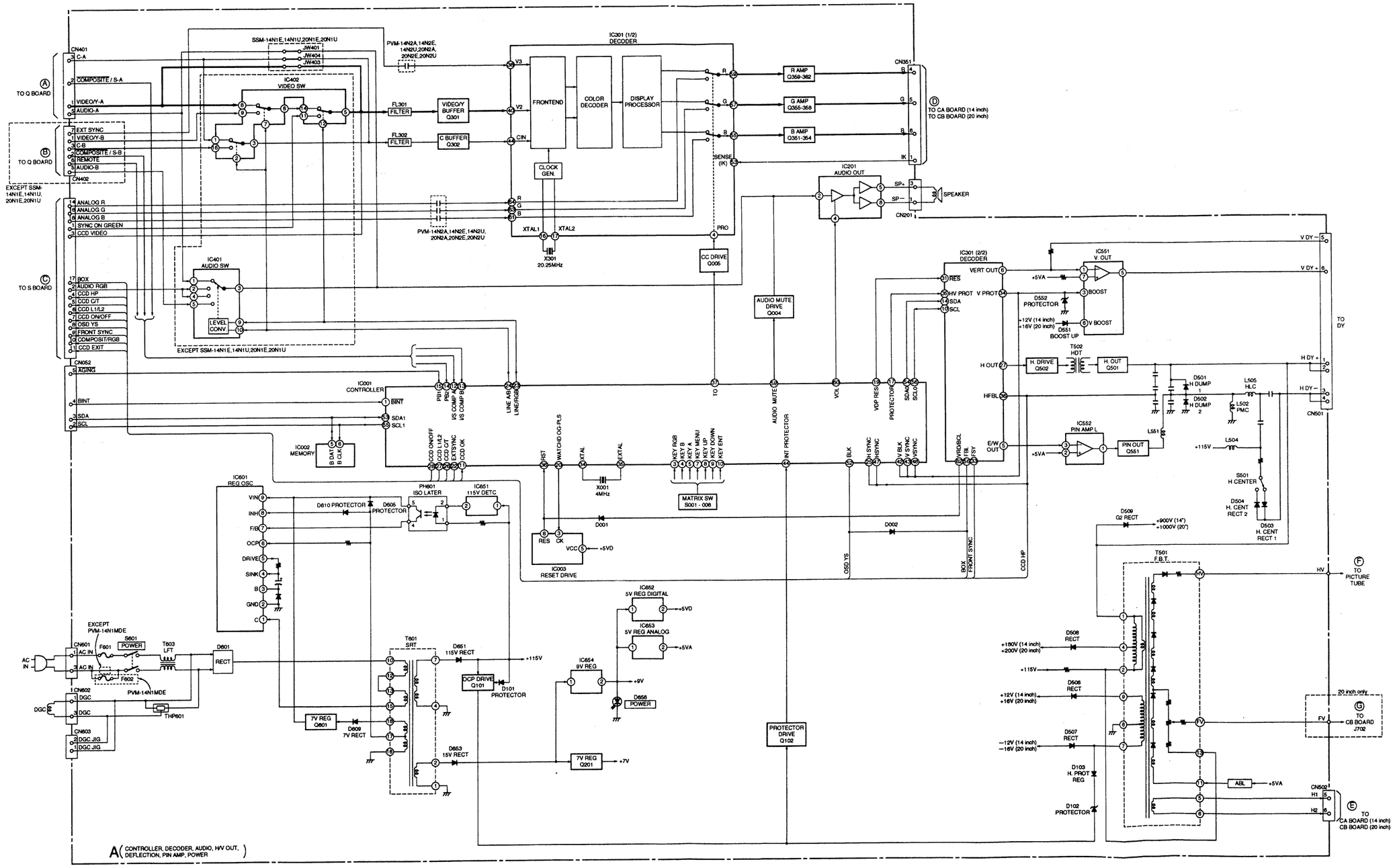


S BOARD (COMPONENT SIDE)

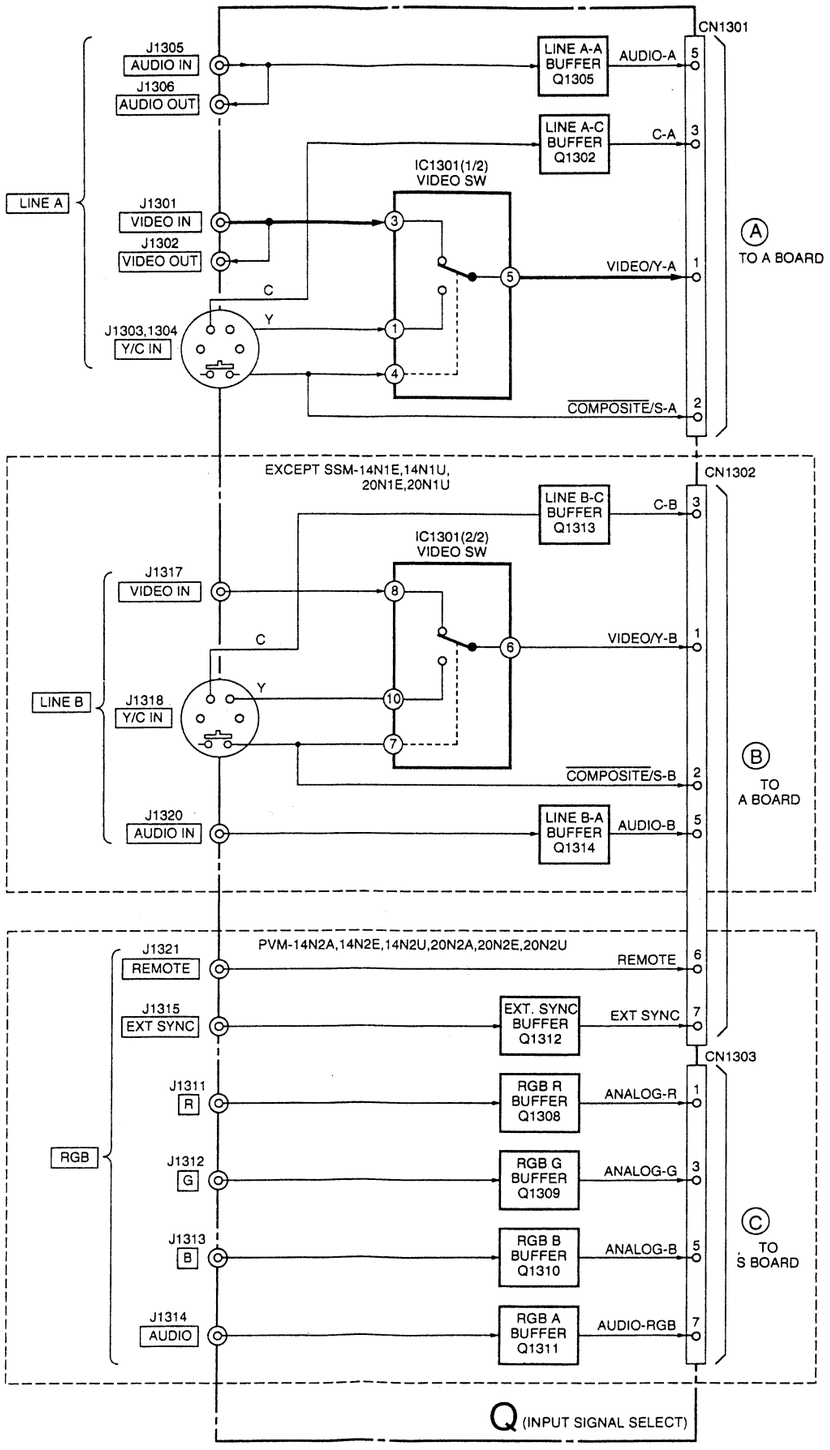


SECTION 6
DIAGRAMS

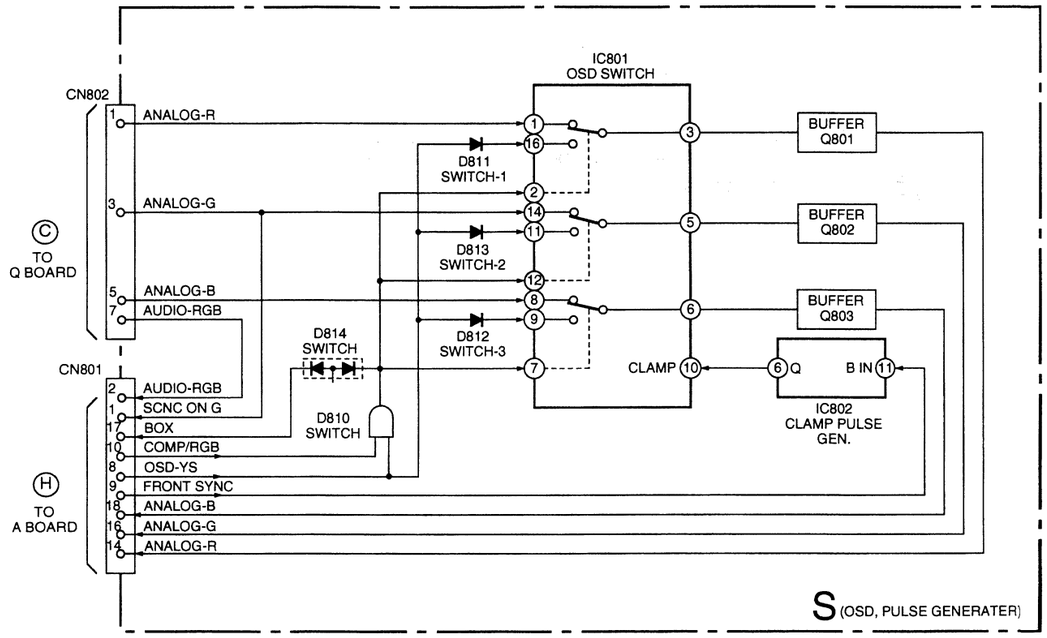
6-1. BLOCK DIAGRAM (1)



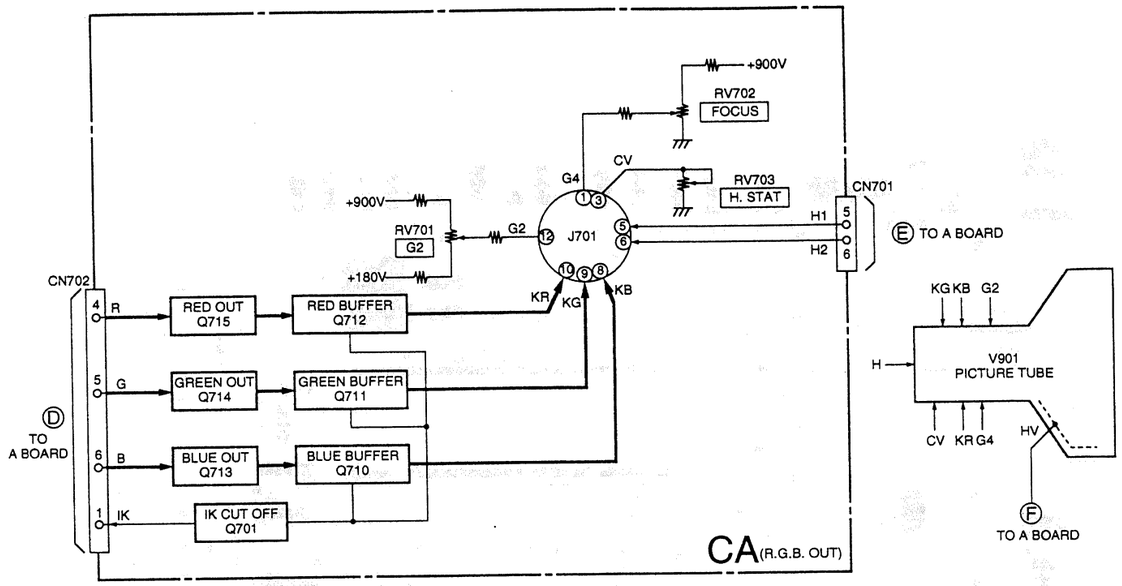
BLOCK DIAGRAM (2)



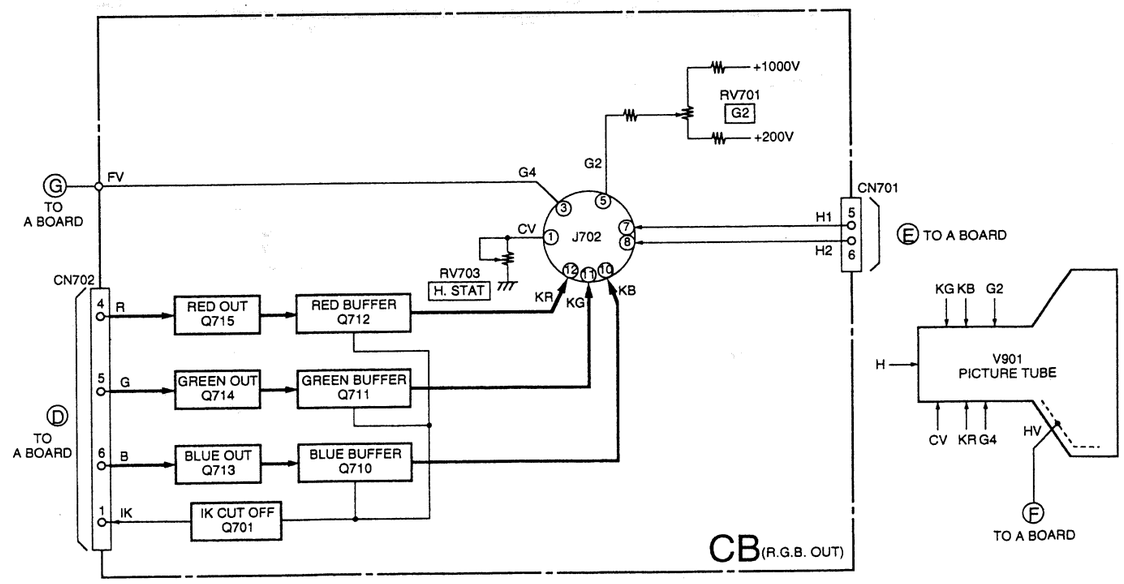
BLOCK DIAGRAM (3)



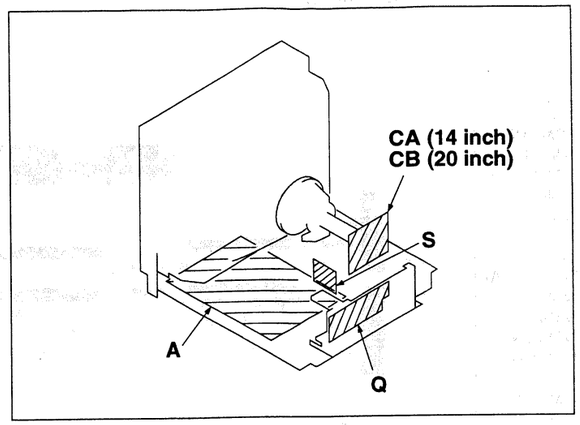
BLOCK DIAGRAM (4)



BLOCK DIAGRAM (5)



6-2. CIRCUIT BOARDS LOCATION



6-3. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

Note:

- All capacitors are in µF unless otherwise noted. pF: µµF 50WV or less are not indicated except for electrolytics.
- All electrolytics are in 50V unless otherwise specified.
- All resistors are in ohms, 1/4W in resistance, 1/10W in chip resistance.
  kΩ=1000Ω, MΩ=1000kΩ
- :nonflammable resistor.
- △ :internal component.
- :panel designation and adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- The components identified by ⊠ in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation.
- When replacing components identified by ◪ ,make the necessary adjustments indicated. If results do not meet the specified value, change the component identified by and repeat the adjustment until the specified value is achieved.
- When replacing the part in below table, be perform the related adjustment.

Part replaced (◪)	Adjustment (⊠)
C317, C318, C501, C502, C503, C504, C507, D102, D103, L505, Q102, R107, R108, R110, R304, R305, R306, R307, T501, IC001, IC301	C501, C502, C503, C504

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note: Les composants identfié par un tramé et une matque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portantle numéro spécifié

- All voltage are in V.
- Voltage are dc with respect to ground unless otherwise noted.
- Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerances.
- : B+bus.
- : B–bus.
- : Signal path.
- No mark : 14 inch
  ( ) : 20 inch

Reference Information

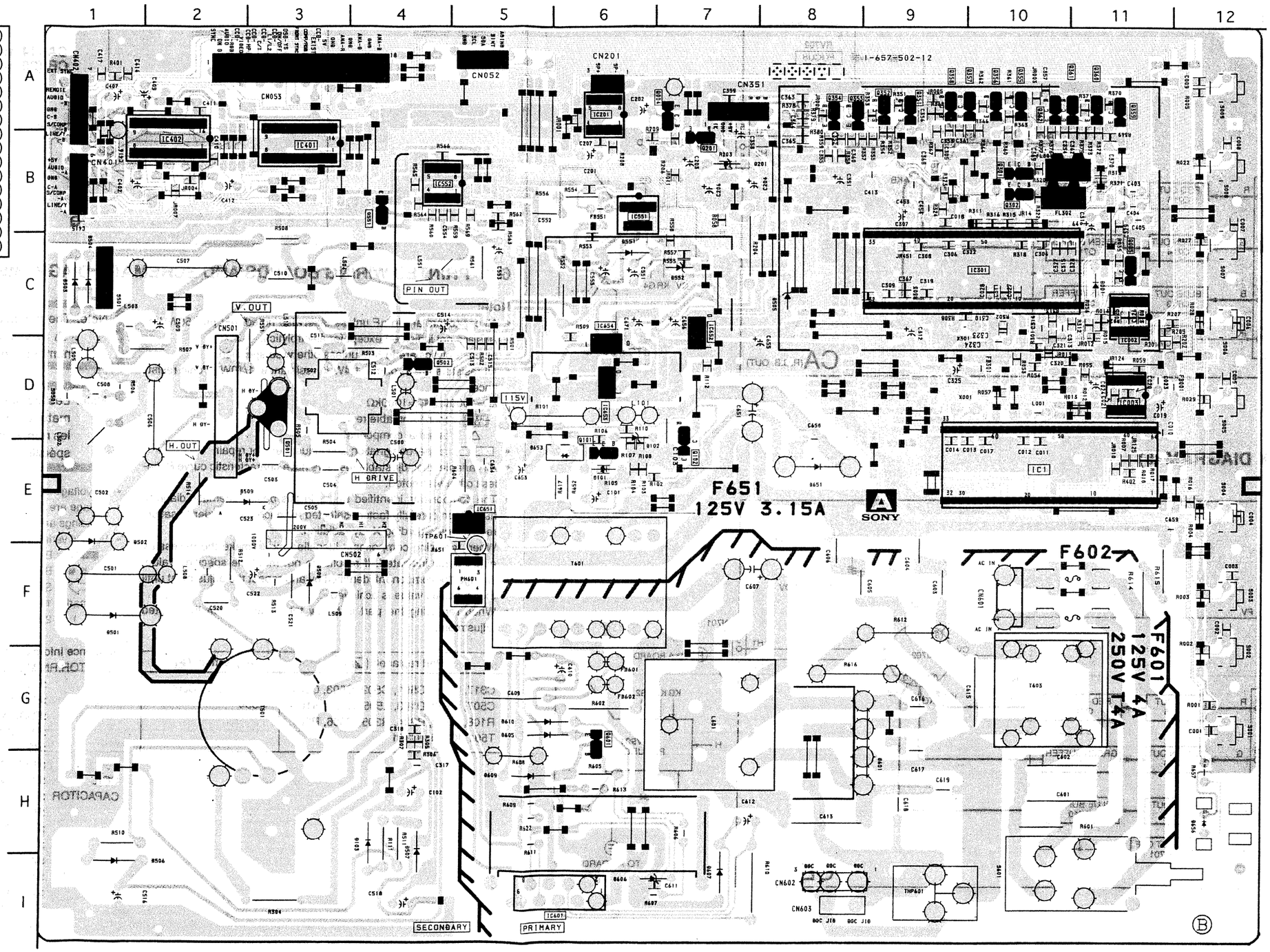
RESISTOR:RN METAL FILM
:RC SOLID
:FPRD NONFLAMMABLE CARBON
:FUSE NONFLAMMABLE FUSIBLE
:RW NONFLAMMABLE WIREWOUND
:RS NONFLAMMABLE METAL OXIDE
:RB NONFLAMMABLE CEMENT
COIL :LF-8L MICRO INDUCTOR
CAPACITOR :TA TANTALUM
:PS STYROL
:PP POLYPROPYLENE
:PT MYLAR
:MPS METALIZED POLYESTER
:MPP METALIZED POLYPROPYLENE
:ALB BIPOLAR
:ALT HIGH TEMPERATURE
:ALR HIGH RIPPLE

A [CONTROLLER, DECODER, AUDIO, H/V OUT, DEFLECTION, PIN AMP, POWER]

— A BOARD —

NOTE:
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

Serial No. 6000001 to 6000221 (PVM-14N1A)
Serial No. 6000001 to 6003699 (PVM-14N1E)
Serial No. 6000001 to 6003583 (PVM-14N1U)
Serial No. 6000001 to 6000096 (PVM-14N2A)
Serial No. 6000001 to 6002485 (PVM-14N2E)
Serial No. 6000001 to 6002319 (PVM-14N2U)
Serial No. 6000001 to 6002355 (SSM-14N1E)
Serial No. 6000001 to 6002571 (SSM-14N1U)
Serial No. 6000001 to 6000091 (PVM-20N1A)
Serial No. 6000001 to 6000923 (PVM-20N1E)
Serial No. 6000001 to 6001487 (PVM-20N1U)
Serial No. 6000001 to 6000048 (PVM-20N2A)
Serial No. 6000001 to 6000798 (PVM-20N2E)
Serial No. 6000001 to 6000847 (PVM-20N2U)
Serial No. 6000001 to 6001085 (SSM-20N1E)
Serial No. 6000001 to 6000967 (SSM-20N1U)

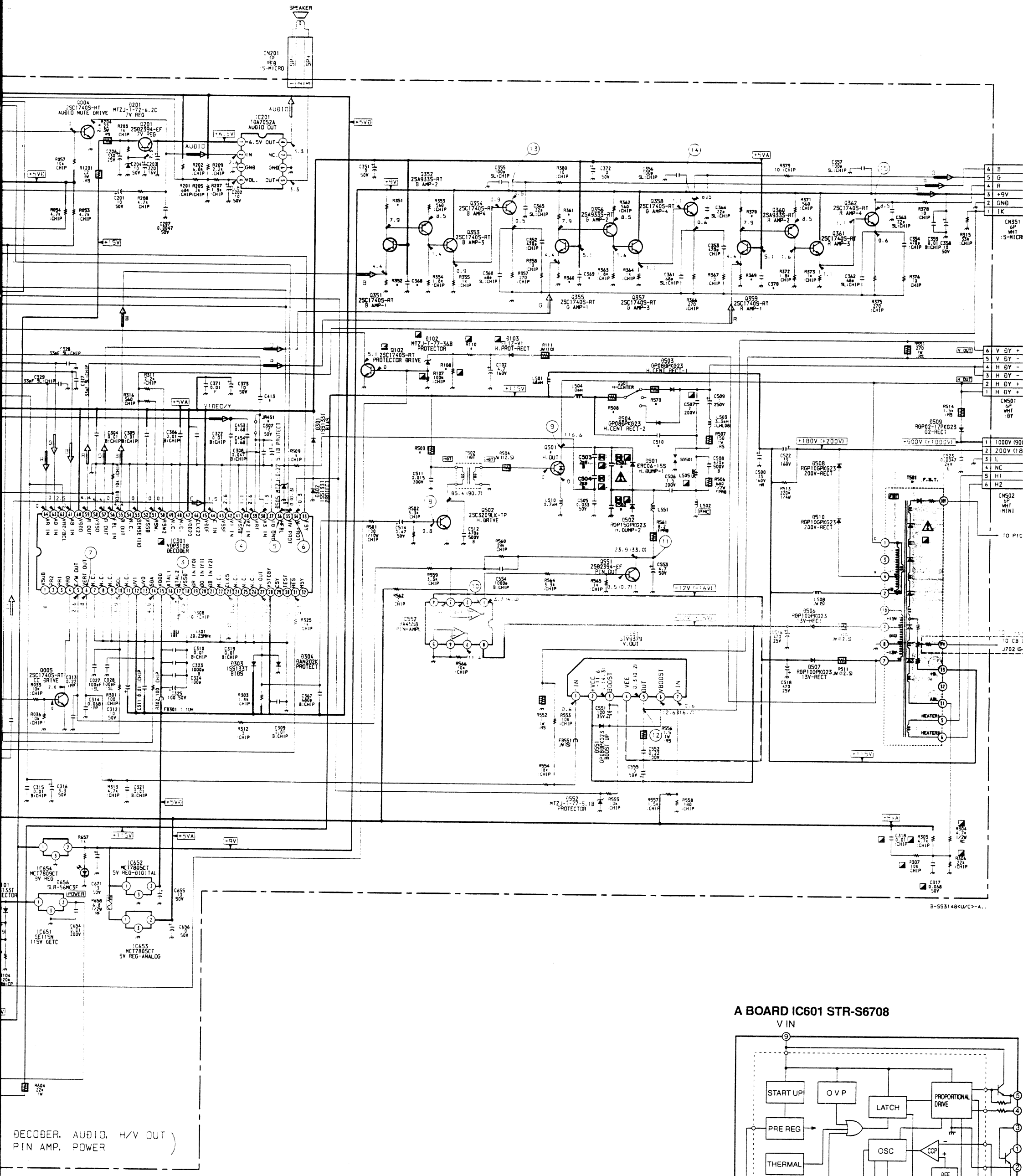


A BOARD

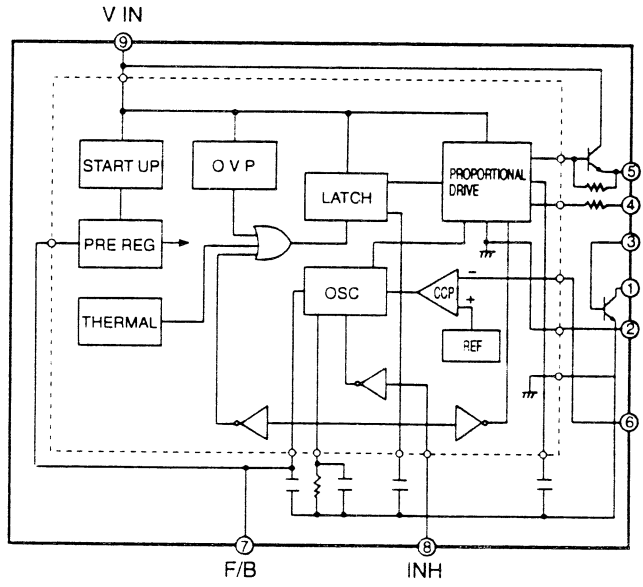
IC		DIODE	
IC001	E-10	D001	C-11
IC002	C-11	D002	B-11
IC003	D-11	D101	E-6
IC201	A-6	D102	E-6
IC301	C-9	D103	H-4
IC401	B-3	D201	B-7
IC402	B-2	D501	F-1
IC551	B-6	D502	E-1
IC552	B-4	D503	C-1
IC601	I-5	D504	C-1
IC651	E-5	D505	C-8
IC652	C-7	D506	I-2
IC653	D-6	D507	H-4
IC654	C-6	D508	F-3
		D509	E-2
TRANSISTOR		D551	C-6
		D552	C-7
Q004	A-7	D601	G-9
Q005	C-11	D605	G-5
Q101	D-6	D606	I-6
Q102	E-7	D607	I-7
Q201	B-7	D609	H-5
Q301	B-10	D610	G-5
Q302	B-10	D651	E-8
Q351	A-9	D653	E-5
Q352	A-9	D656	H-12
Q353	A-8		
Q354	A-8		
Q355	A-10		
Q356	A-10		
Q357	A-9		
Q358	A-9		
Q359	A-11		
Q360	A-11		
Q361	A-10		
Q362	A-10		
Q501	E-3		
Q502	D-4		
Q551	B-4		
Q601	G-6		

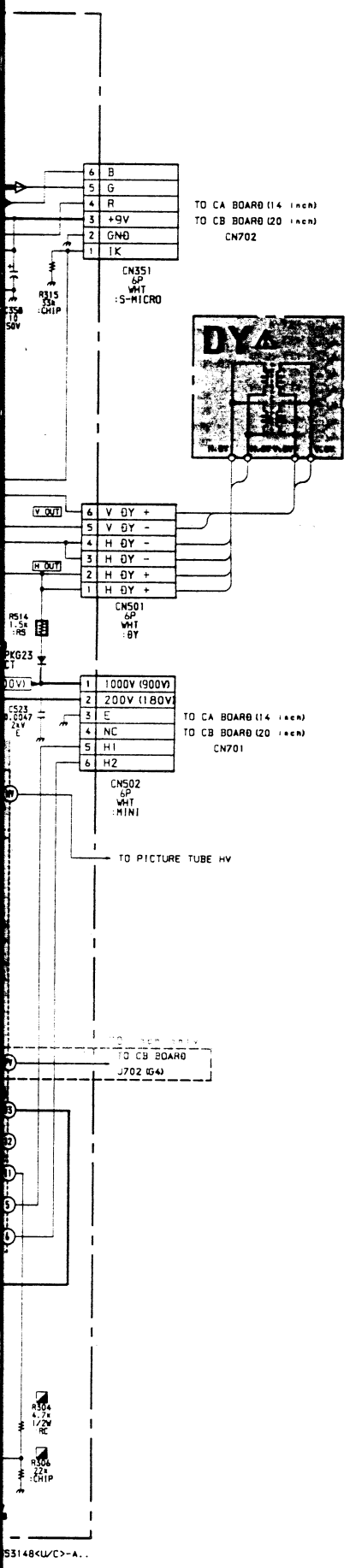
Serial No. 6000001 to 6000221 (PVM-14N1A)
Serial No. 6000001 to 6003699 (PVM-14N1E)
Serial No. 6000001 to 6003583 (PVM-14N1U)
Serial No. 6000001 to 6000096 (PVM-14N2A)
Serial No. 6000001 to 6002485 (PVM-14N2E)
Serial No. 6000001 to 6002319 (PVM-14N2U)
Serial No. 6000001 to 6002355 (SSM-14N1E)
Serial No. 6000001 to 6002571 (SSM-14N1U)
Serial No. 6000001 to 6000091 (PVM-20N1A)
Serial No. 6000001 to 6000923 (PVM-20N1E)
Serial No. 6000001 to 6001487 (PVM-20N1U)
Serial No. 6000001 to 6000048 (PVM-20N2A)
Serial No. 6000001 to 6000798 (PVM-20N2E)
Serial No. 6000001 to 6000847 (PVM-20N2U)
Serial No. 6000001 to 6001085 (SSM-20N1E)
Serial No. 6000001 to 6000967 (SSM-20N1U)

A (CONTROLLER, DECOD
DEFLECTION, PIN A

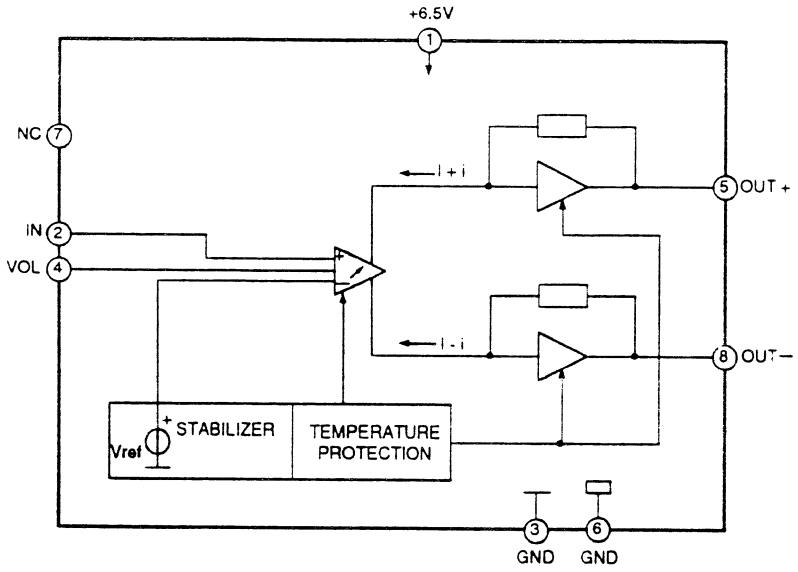


A BOARD IC601 STR-S6708

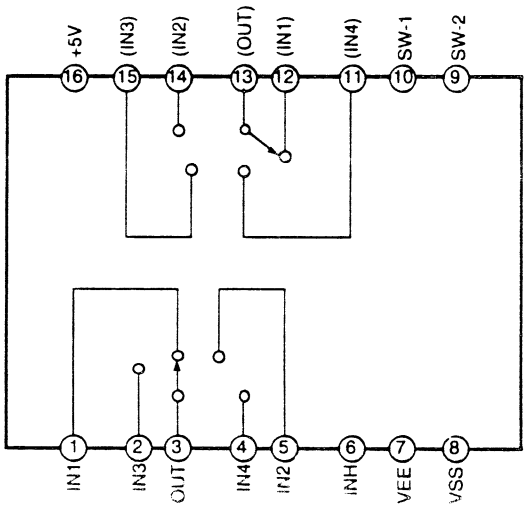




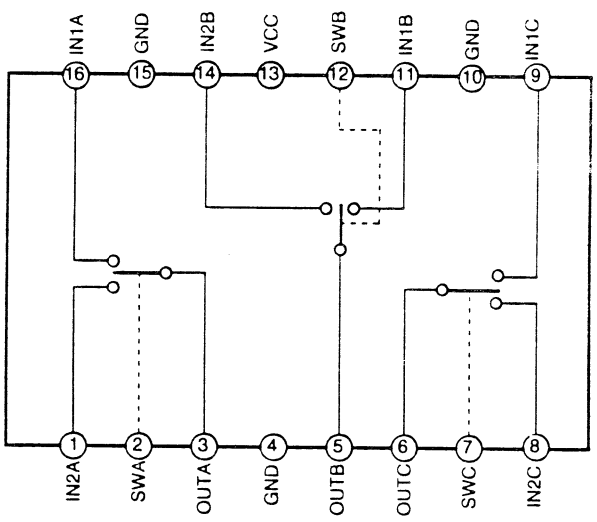
A BOARD IC201 TDA7052A



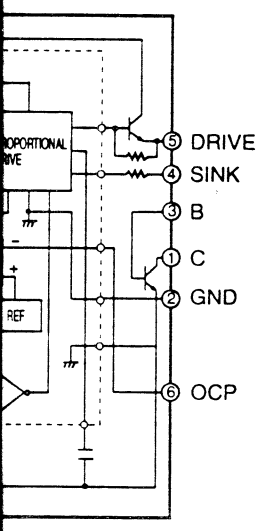
A BOARD IC401 MC14052BCP

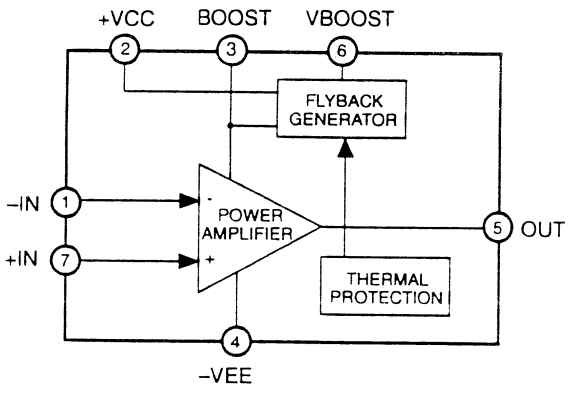


A BOARD IC402 BA7602



A BOARD IC551 STV9739





A BOARD WAVEFORMS

① 3.2 Vp-p (4 MHz)	⑤ 6.0 Vp-p (H)	⑪ 14" 8.8 Vp-p (V) 20" 11.0 Vp-p (V)	⑭ NT
② NTSC 3.58, 4.43 1.0 Vp-p (H)	⑥ 14" 4.4 Vp-p (V) 20" 4.6 Vp-p (V)	⑫ 14" 44.0 Vp-p (V) 20" 62.0 Vp-p (V)	⑭ PAL
② PAL 1.0 Vp-p (H)	⑦ 14" 2.4 Vp-p (V) 20" 2.8 Vp-p (V)	⑬ NTSC 3.58 1.2 Vp-p (H)	⑮ NT
② SECAM 1.0 Vp-p (H)	⑧ 14" 0.9 Vp-p (V) 20" 2.4 Vp-p (V)	⑬ NTSC 4.43 1.2 Vp-p (H)	⑮ NT
③ 2.0 Vp-p (20. 25MHz)	⑨ 14" 940 Vp-p (V) 20" 960 Vp-p (V)	⑬ PAL SECAM 1.1 Vp-p (H)	⑮ PAL
④ 0.5 Vp-p (H)	⑩ 14" 16.0 Vp-p (V) 20" 20.0 Vp-p (V)	⑭ NTSC 3.58 1.1 Vp-p (H)	

A BOARD *MARK

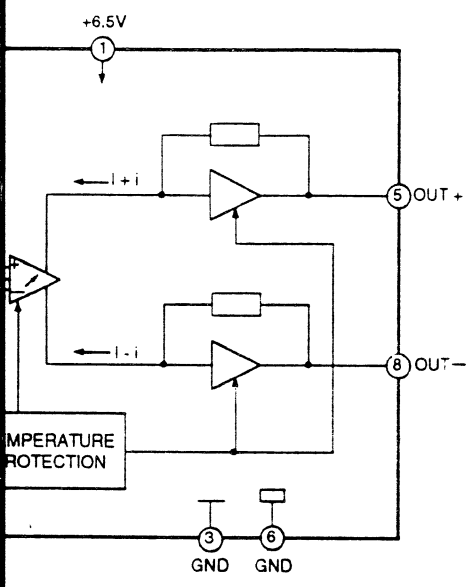
Ref. NO. \ Model	PVM- 14N1A, 14N1E, 14N1U	PVM- 14N2A, 14N2E, 14N2U	SSM- 14N1E, 14N1U	PVM- 20N1A, 20N1E, 20N1U	PVM- 20N2A, 20N2E, 20N2U
C006	-	0.001	-	-	0.001
C368	0.0022	0.0022	0.0022	470P	470P
C369	0.0022	0.0022	0.0022	470P	470P
C370	0.0022	0.0022	0.0022	470P	470P
C402	10/50V	10/50V	-	10/50V	10/50V
C407	10/50V	10/50V	-	10/50V	10/50V
C409	10/50V	10/50V	-	10/50V	10/50V
C410	0.01	0.01	-	0.01	0.01
C411	0.01	0.01	-	0.01	0.01
C412	10/50V	10/50V	-	10/50V	10/50V
C413	-	0.68	-	-	0.68
C414	-	150P	-	-	150P
C501	⋈ /2kV	⋈ /2kV	⋈ /2kV	⋈ /2kV	⋈ /2kV
C502	⋈ /630V	⋈ /630V	⋈ /630V	⋈ /400V	⋈ /400V
C510	-	0.1/200V	-	-	0.1/200V
CN402	7P	7P	-	7P	7P
IC401	MC14052BCP	MC14052BCP	-	MC14052BCP	MC14052BCP
IC402	BA7602	BA7602	-	BA7602	BA7602
JR451	0	-	0	0	-
JW401	-	-	JW(5)	-	-
JW403	-	-	JW(10)	-	-
JW404	-	-	JW(5)	-	-
Q501	2SD1877S	2SD1877S	2SD1877S	2SD1878	2SD1878
R101	1.5 3W	1.5 3W	1.5 3W	1.2 3W	1.2 3W
R108	22k 0.5%	22k 0.5%	22k 0.5%	20k 0.5%	20k 0.5%
R110	56k 0.5%	56k 0.5%	56k 0.5%	68k 0.5%	68k 0.5%
R351	470	470	470	680	680
R352	5.6k	5.6k	5.6k	-	-
R360	5.6k	5.6k	5.6k	-	-
R361	470	470	470	680	680
R369	5.6k	5.6k	5.6k	-	-
R370	470	470	470	680	680
R401	-	470	-	-	470
R503	4.7k 2W	4.7k 2W	4.7k 2W	3.3k 2W	3.3k 2W
R508	27 1W	27 1W	27 1W	22 2W	22 2W
R570	18 1W	18 1W	18 1W	27 1W	27 1W
S006	-	RGB	-	-	RGB SW
T501	NX-2610//U2A	NX-2610//U2A	NX-2610//U2A	NX-2611//U2A	NX-2611//U2A

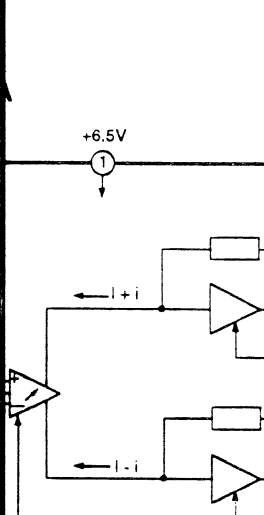
Schematic diagrams

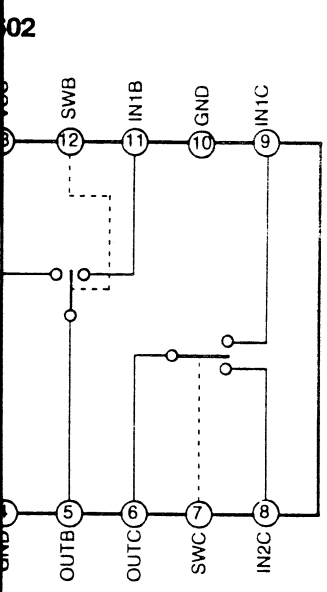
← **A board**

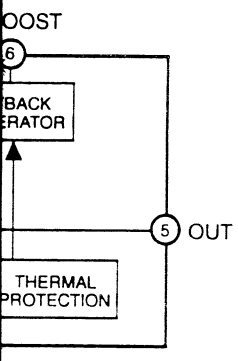
Schema

Q CA









A BOARD WAVEFORMS

① 3.2 Vp-p (4 MHz)	⑤ 6.0 Vp-p (H)	⑪ 14" 8.8 Vp-p (V) 20" 11.0 Vp-p (V)	⑭ NTSC 4.43 1.2 Vp-p (H)
② NTSC 3.58, 4.43 1.0 Vp-p (H)	⑥ 14" 4.4 Vp-p (V) 20" 4.6 Vp-p (V)	⑫ 14" 44.0 Vp-p (V) 20" 62.0 Vp-p (V)	⑭ PAL, SECAM 1.2 Vp-p (H)
② PAL 1.0 Vp-p (H)	⑦ 14" 2.4 Vp-p (V) 20" 2.8 Vp-p (V)	⑬ NTSC 3.58 1.2 Vp-p (H)	⑮ NTSC 3.58 1.2 Vp-p (H)
② SECAM 1.0 Vp-p (H)	⑧ 14" 0.9 Vp-p (V) 20" 2.4 Vp-p (V)	⑬ NTSC 4.43 1.2 Vp-p (H)	⑮ NTSC 4.43 1.2 Vp-p (H)
③ 2.0 Vp-p (20. 25MHz)	⑨ 14" 940 Vp-p (V) 20" 960 Vp-p (V)	⑬ PAL SECAM 1.1 Vp-p (H)	⑮ PAL, SECAM 1.2 Vp-p (H)
④ 0.5 Vp-p (H)	⑩ 14" 16.0 Vp-p (V) 20" 20.0 Vp-p (V)	⑭ NTSC 3.58 1.1 Vp-p (H)	

A BOARD *MARK

Ref. NO. \ Model	PVM- 14N1A, 14N1E, 14N1U	PVM- 14N2A, 14N2E, 14N2U	SSM- 14N1E, 14N1U	PVM- 20N1A, 20N1E, 20N1U	PVM- 20N2A, 20N2E, 20N2U	SSM- 20N1E, 20N1U
C006	-	0.001	-	-	0.001	-
C368	0.0022	0.0022	0.0022	470P	470P	470P
C369	0.0022	0.0022	0.0022	470P	470P	470P
C370	0.0022	0.0022	0.0022	470P	470P	470P
C402	10/50V	10/50V	-	10/50V	10/50V	-
C407	10/50V	10/50V	-	10/50V	10/50V	-
C409	10/50V	10/50V	-	10/50V	10/50V	-
C410	0.01	0.01	-	0.01	0.01	-
C411	0.01	0.01	-	0.01	0.01	-
C412	10/50V	10/50V	-	10/50V	10/50V	-
C413	-	0.68	-	-	0.68	-
C414	-	150P	-	-	150P	-
C501	⊠ /2kV	⊠ /2kV	⊠ /2kV	⊠ /2kV	⊠ /2kV	⊠ /2kV
C502	⊠ /630V	⊠ /630V	⊠ /630V	⊠ /400V	⊠ /400V	⊠ /400V
C510	-	0.1/200V	-	-	0.1/200V	-
CN402	7P	7P	-	7P	7P	-
IC401	MC14052BCP	MC14052BCP	-	MC14052BCP	MC14052BCP	-
IC402	BA7602	BA7602	-	BA7602	BA7602	-
JR451	0	-	0	0	-	0
JW401	-	-	JW(5)	-	-	JW(5)
JW403	-	-	JW(10)	-	-	JW(10)
JW404	-	-	JW(5)	-	-	JW(5)
Q501	2SD1877S	2SD1877S	2SD1877S	2SD1878	2SD1878	2SD1878
R101	1.5 3W	1.5 3W	1.5 3W	1.2 3W	1.2 3W	1.2 3W
R108	22k 0.5%	22k 0.5%	22k 0.5%	20k 0.5%	20k 0.5%	20k 0.5%
R110	56k 0.5%	56k 0.5%	56k 0.5%	68k 0.5%	68k 0.5%	68k 0.5%
R351	470	470	470	680	680	680
R352	5.6k	5.6k	5.6k	-	-	-
R360	5.6k	5.6k	5.6k	-	-	-
R361	470	470	470	680	680	680
R369	5.6k	5.6k	5.6k	-	-	-
R370	470	470	470	680	680	680
R401	-	470	-	-	470	-
R503	4.7k 2W	4.7k 2W	4.7k 2W	3.3k 2W	3.3k 2W	3.3k 2W
R508	27 1W	27 1W	27 1W	22 2W	22 2W	22 2W
R570	18 1W	18 1W	18 1W	27 1W	27 1W	27 1W
S006	-	RGB	-	-	RGB SW	-
T501	NX-2610//U2A	NX-2610//U2A	NX-2610//U2A	NX-2611//U2A	NX-2611//U2A	NX-2611//U2A

Schematic diagrams
← A board

Schematic diagrams
Q CA CB S board →

Serial No. 6000222 and Higher (PVM-14N1A)	Serial No. 6000092 and Higher (PVM-20N1A)
Serial No. 6003700 and Higher (PVM-14N1E)	Serial No. 6000924 and Higher (PVM-20N1E)
Serial No. 6000001 and Higher (PVM-14N1MDE)	Serial No. 6001488 and Higher (PVM-20N1U)
Serial No. 6003584 and Higher (PVM-14N1U)	Serial No. 6000049 and Higher (PVM-20N2A)
Serial No. 6000097 and Higher (PVM-14N2A)	Serial No. 6000799 and Higher (PVM-20N2E)
Serial No. 6002486 and Higher (PVM-14N2E)	Serial No. 6000848 and Higher (PVM-20N2U)
Serial No. 6002320 and Higher (PVM-14N2U)	Serial No. 6001086 and Higher (SSM-20N1E)
Serial No. 6002356 and Higher (SSM-14N1E)	Serial No. 6000968 and Higher (SSM-20N1U)
Serial No. 6002572 and Higher (SSM-14N1U)	

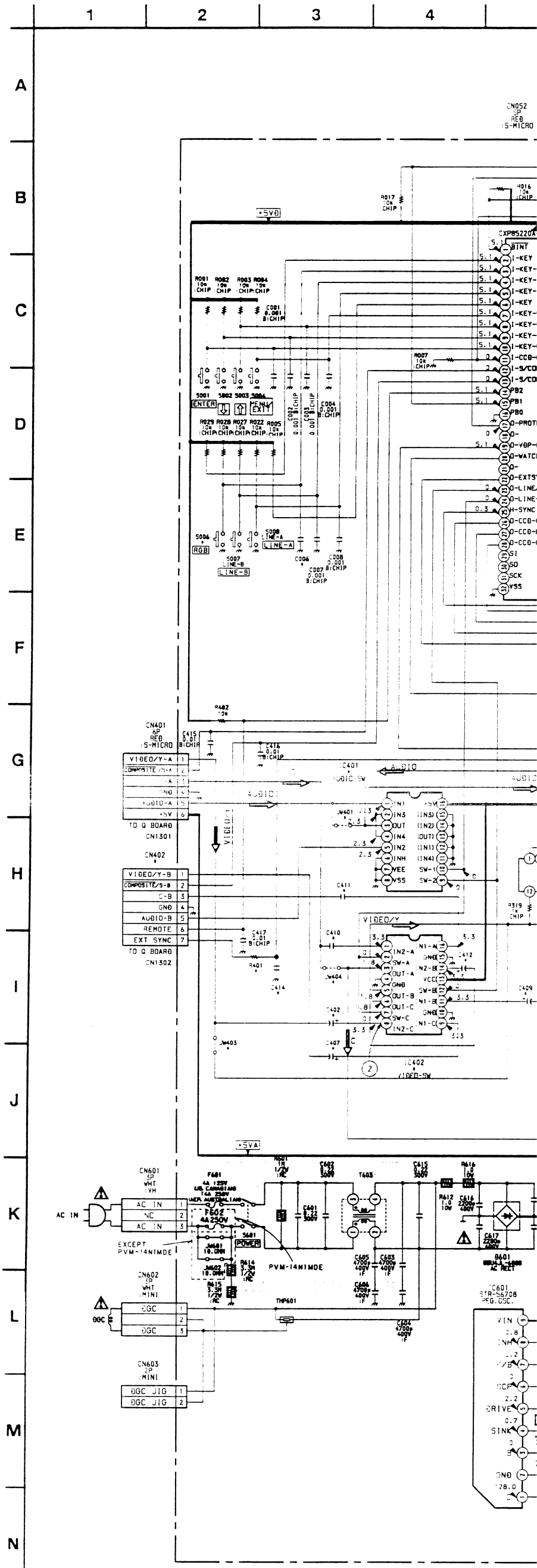
A BOARD WAVEFORMS

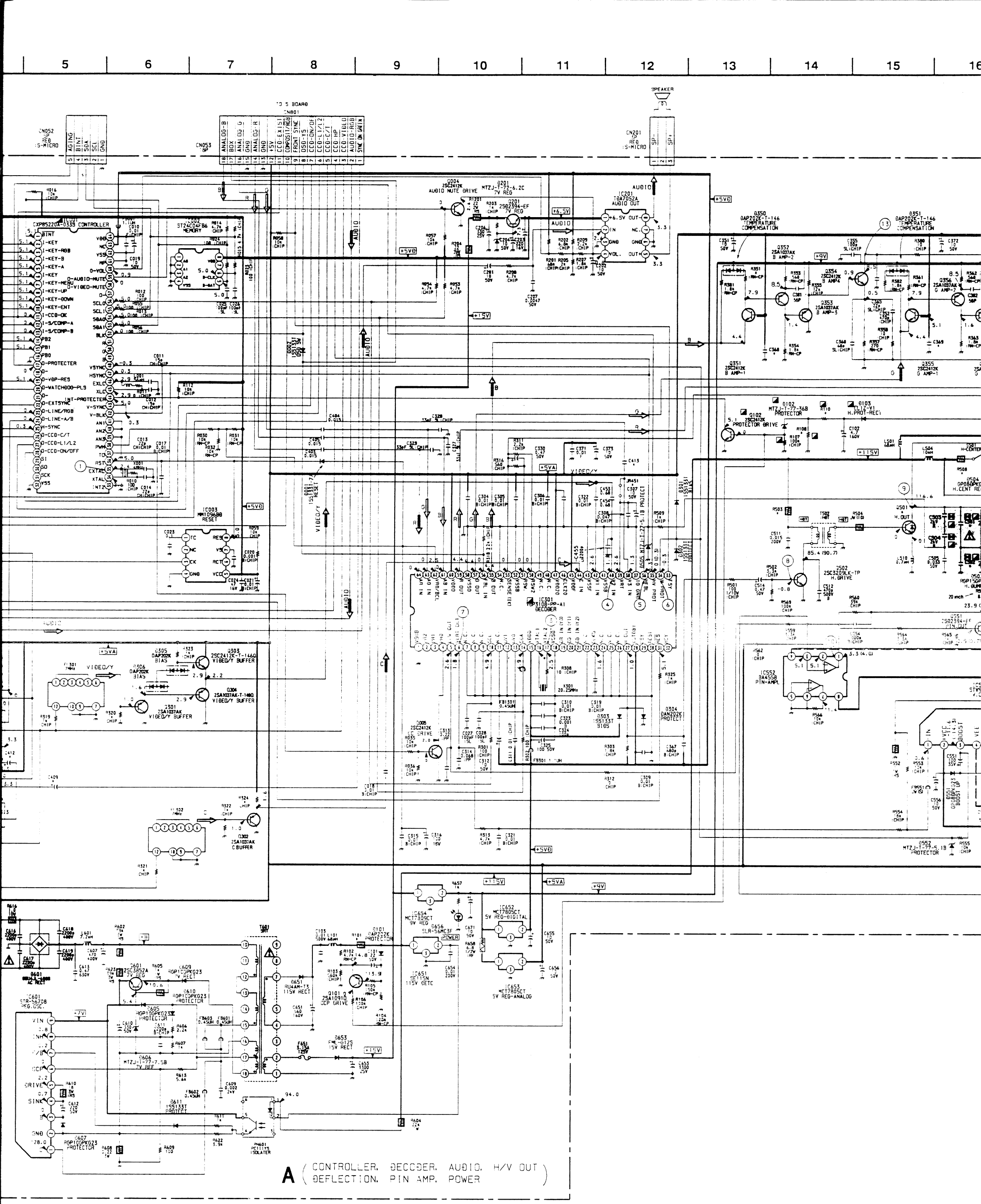
① 3.2 Vp-p (4 MHz)	⑤ 6.0 Vp-p (H)	⑪ 14" 8.8 Vp-p (V) 20" 11.0 Vp-p (V)	⑭ NTSC 4.43 1.2 Vp-p (H)
② NTSC 3.58, 4.43 1.0 Vp-p (H)	⑥ 14" 4.4 Vp-p (V) 20" 4.6 Vp-p (V)	⑫ 14" 44.0 Vp-p (V) 20" 62.0 Vp-p (V)	⑭ PAL, SECAM 1.2 Vp-p (H)
② PAL 1.0 Vp-p (H)	⑦ 14" 2.4 Vp-p (V) 20" 2.8 Vp-p (V)	⑬ NTSC 3.58 1.2 Vp-p (H)	⑮ NTSC 3.58 1.2 Vp-p (H)
② SECAM 1.0 Vp-p (H)	⑧ 14" 0.9 Vp-p (V) 20" 2.4 Vp-p (V)	⑬ NTSC 4.43 1.2 Vp-p (H)	⑮ NTSC 4.43 1.2 Vp-p (H)
③ 2.0 Vp-p (20. 25MHz)	⑨ 14" 940 Vp-p (V) 20" 960 Vp-p (V)	⑬ PAL SECAM 1.1 Vp-p (H)	⑮ PAL, SECAM 1.2 Vp-p (H)
④ 0.5 Vp-p (H)	⑩ 14" 16.0 Vp-p (V) 20" 20.0 Vp-p (V)	⑭ NTSC 3.58 1.1 Vp-p (H)	

A BOARD *MARK

Ref. NO. \ Model	PVM- 14N1A, 14N1E, 14N1MDE 14N1U	PVM- 14N2A, 14N2E, 14N2U	SSM- 14N1E, 14N1U	PVM- 20N1A, 20N1E, 20N1U	PVM- 20N2A, 20N2E, 20N2U	SSM- 20N1E, 20N1U
C006	-	0.001	-	-	0.001	-
C368	0.0022	0.0022	0.0022	470P	470P	470P
C369	0.0022	0.0022	0.0022	470P	470P	470P
C370	0.0022	0.0022	0.0022	470P	470P	470P
C402	10/50V	10/50V	-	10/50V	10/50V	-
C407	10/50V	10/50V	-	10/50V	10/50V	-
C409	10/50V	10/50V	-	10/50V	10/50V	-
C410	0.01	0.01	-	0.01	0.01	-
C411	0.01	0.01	-	0.01	0.01	-
C412	10/50V	10/50V	-	10/50V	10/50V	-
C413	-	0.68	-	-	0.68	-
C414	-	150P	-	-	150P	-
C501	⊠ /2kV	⊠ /2kV	⊠ /2kV	⊠ /2kV	⊠ /2kV	⊠ /2kV
C502	⊠ /630V	⊠ /630V	⊠ /630V	⊠ /400V	⊠ /400V	⊠ /400V
C510	-	0.1/200V	-	-	0.1/200V	-
CN402	7P	7P	-	7P	7P	-
IC401	MC14052BCP	MC14052BCP	-	MC14052BCP	MC14052BCP	-
IC402	BA7602	BA7602	-	BA7602	BA7602	-
JR451	0	-	0	0	-	0
JW401	-	-	JW(5)	-	-	JW(5)
JW403	-	-	JW(10)	-	-	JW(10)
JW404	-	-	JW(5)	-	-	JW(5)
Q501	2SD1877S	2SD1877S	2SD1877S	2SD1878	2SD1878	2SD1878
R101	1.5 3W	1.5 3W	1.5 3W	1.2 3W	1.2 3W	1.2 3W
R108	22k 0.5%	22k 0.5%	22k 0.5%	20k 0.5%	20k 0.5%	20k 0.5%
R110	56k 0.5%	56k 0.5%	56k 0.5%	68k 0.5%	68k 0.5%	68k 0.5%
R351	430 (gray CRT)	430 (gray CRT)	430 (gray CRT)	620 (gray CRT)	620 (gray CRT)	620 (gray CRT)
R351	510 (black CRT)	510 (black CRT)	510 (black CRT)	680 (black CRT)	680 (black CRT)	680 (black CRT)
R361	430 (gray CRT)	430 (gray CRT)	430 (gray CRT)	620 (gray CRT)	620 (gray CRT)	620 (gray CRT)
R361	510 (black CRT)	510 (black CRT)	510 (black CRT)	680 (black CRT)	680 (black CRT)	680 (black CRT)
R370	430 (gray CRT)	430 (gray CRT)	430 (gray CRT)	620 (gray CRT)	620 (gray CRT)	620 (gray CRT)
R370	510 (black CRT)	510 (black CRT)	510 (black CRT)	680 (black CRT)	680 (black CRT)	680 (black CRT)
R401	-	470	-	-	470	-
R503	4.7k 2W	4.7k 2W	4.7k 2W	3.3k 2W	3.3k 2W	3.3k 2W
R508	27 1W	27 1W	27 1W	18 1W	18 1W	18 1W
R570	18 1W	18 1W	18 1W	27 1W	27 1W	27 1W
S006	-	RGB SW	-	-	RGB SW	-
T501	NX-2610//U2A	NX-2610//U2A	NX-2610//U2A	NX-2611//U2A	NX-2611//U2A	NX-2611//U2A

• The constants of R351, R361, and R370 are changed when V901 is changed.
Refer to SECTION 8. Electrical Parts List on page 71 for the list of serial numbers.




5
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TO S BOARD
CN801
CN052
CN053
CN201
SPEAKER
IC001
CXP85220A-033S CONTROLLER
IC002
ST24C04FB6
MEMORY
IC003
MM1096BB
RESET
IC201
T0A70S2A
AUDIO OUT
IC301
TDP3108-PP-A1
DECODER
IC551
BA4558
PIN-AMP
IC601
STR-S6708
REG.OSC.
IC652
MCT7805CT
5V REG-DIGITAL
IC653
MCT7805CT
5V REG-ANALOG
IC654
MCT7809CT
9V REG
IC651
SE115N
115V DETC
Q004
2SC2412K
AUDIO MUTE DRIVE
Q201
2SD2394-EF
7V REG
Q303
2SC2412K-T-146Q
VIDEO/Y BUFFER
Q304
2SA1037AK-T-146Q
VIDEO/Y BUFFER
Q301
2SA1037AK
VIDEO/Y BUFFER
Q302
2SA1037AK
C BUFFER
Q305
DAP202K
BIAS
Q306
DAP202K
BIAS
Q005
2SC2412K
DC DRIVE
Q350
DAP202K-T-146
TEMPERATURE COMPENSATION
Q351
2SC2412K
B AMP-1
Q352
2SA1037AK
B AMP-2
Q353
2SA1037AK
B AMP-3
Q354
2SC2412K
B AMP4
Q355
2SC2412K
G AMP-1
Q356
2SA1037AK
G AMP-2
Q102
MTZJ-T-77-36B
PROTECTOR
Q103
ELIZ-V1
H.PROT-REC
Q102
2SC2412K
PROTECTOR DRIVE
Q501
H.OUT
Q502
2SC3209LK-TP
H.DRIVE
Q551
2SD2394-FF
PIN OUT
Q552
MTZJ-T-77-5.1B
PROTECTOR
Q601
RGP10GPKG23
PROTECTOR
Q602
RGP10GPKG23
PROTECTOR
Q603
RGP10GPKG23
PROTECTOR
Q604
RGP10GPKG23
PROTECTOR
Q605
RGP10GPKG23
PROTECTOR
Q606
MTZJ-T-77-7.5B
7V REF
Q607
RGP10GPKG23
PROTECTOR
Q608
2SC3852A
7V REG
Q609
RGP10GPKG23
7V RECT
Q610
RGP10GPKG23
PROTECTOR
Q611
1SS133T
PROTECT
Q101
RAP202K
PROTECTOR
Q101
2SA1091Q
DCP DRIVE
Q651
RU4AM-T3
115V RECT
Q653
RM-G12S
15V RECT
Q654
SLR-56MC3F
POWER
Q656
SLR-56MC3F
POWER
T501
SHT
T502
HOT
T502
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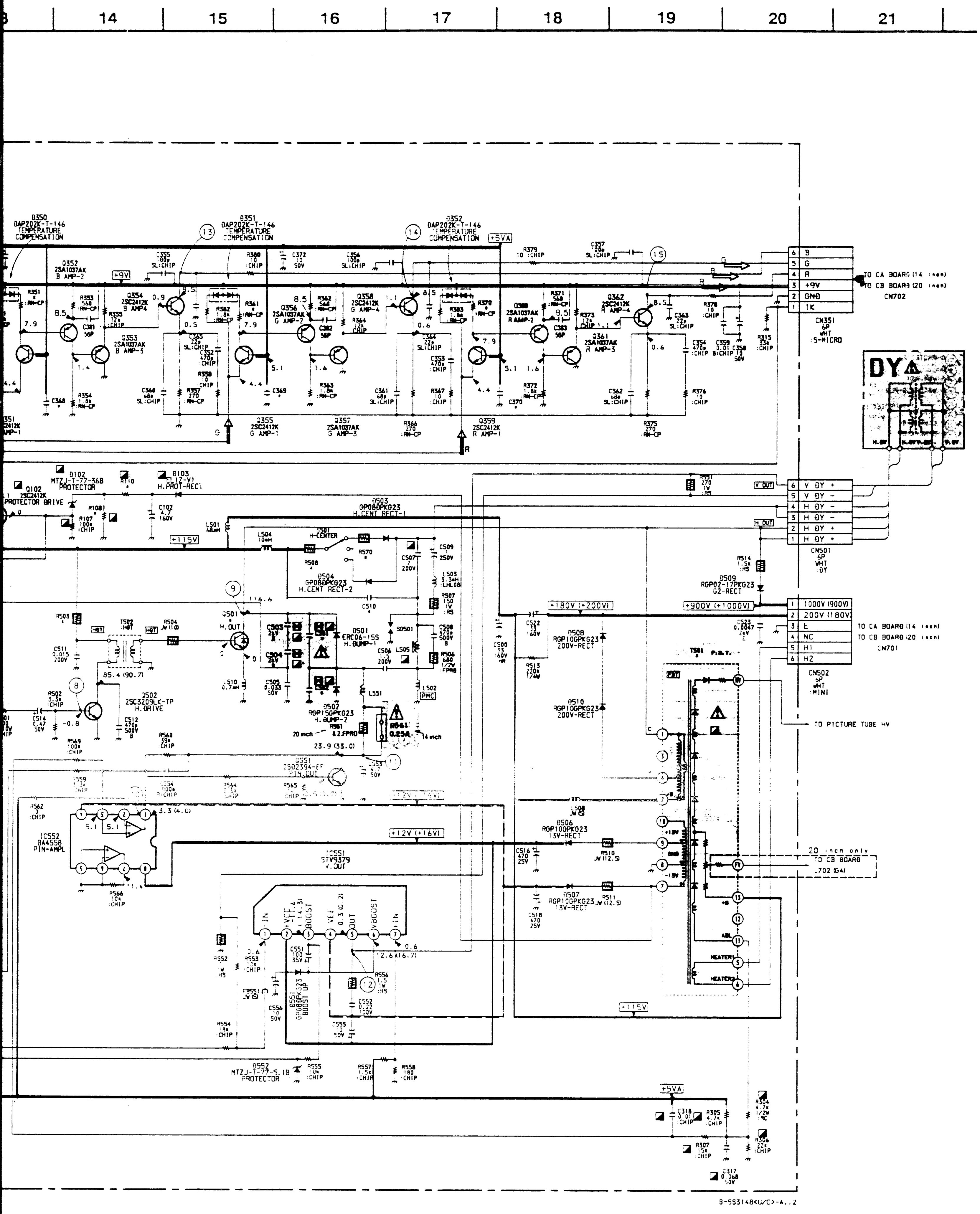
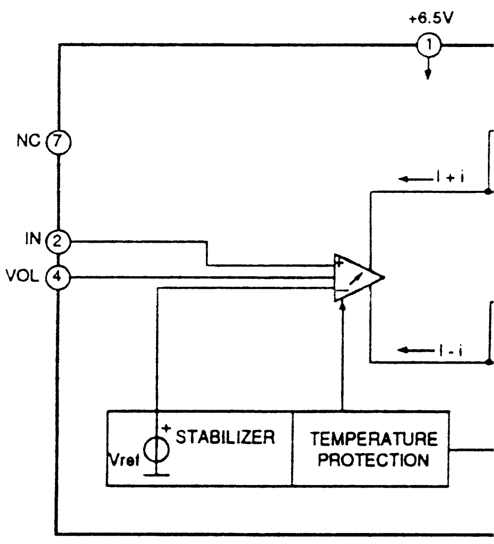
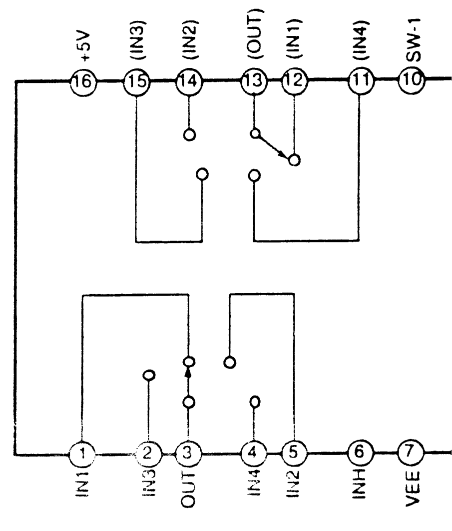
T601
SHT
T651
1500
160V
T651
1500
160V
T651
1500
160V


14
15
16
17
18
19
20
21
Q350 DAP202K-T-146 TEMPERATURE COMPENSATION
Q351 DAP202K-T-146 TEMPERATURE COMPENSATION
Q352 DAP202K-T-146 TEMPERATURE COMPENSATION
+5VA
+9V
Q352 2SA1037AK B AMP-2
Q353 2SA1037AK B AMP-3
Q354 2SC2412K B AMP4
Q355 2SC2412K G AMP-1
Q356 2SA1037AK G AMP-2
Q357 2SA1037AK G AMP-3
Q358 2SC2412K G AMP-4
Q359 2SC2412K R AMP-1
Q360 2SA1037AK R AMP-2
Q361 2SA1037AK R AMP-3
Q362 2SC2412K R AMP-4
B
G
R
+9V
GND
IK
TO CA BOARD (14 inch)
TO CB BOARD (20 inch)
CN702
CN351 6P WHT :S-MICRO
DY
V OUT
H OUT
V DY +
V DY -
H DY -
H DY -
H DY +
H DY +
CN501 6P WHT :DY
D509 RGP02-17PKG23 G2-RECT
+900V (+1000V)
+180V (+200V)
1000V (900V)
200V (180V)
E
NC
H1
H2
CN701
CN502 6P WHT :MINI
TO PICTURE TUBE HV
D102 MTZJ-T-77-36B PROTECTOR
D103 EL1Z-V1 H.PROT-RECT
Q102 2SC2412K PROTECTOR DRIVE
+115V
D503 GP08DPKG23 H.CENT RECT-1
D504 GP08DPKG23 H.CENT RECT-2
S501 H-CENTER
Q501 H.OUT
D501 ERC06-15S H.BUMP-1
D502 RGP15GPKG23 H.BUMP-2
Q502 2SC3209LK-TP H.DRIVE
D508 RGP10GPKG23 200V-RECT
D510 RGP10GPKG23 200V-RECT
D506 RGP10GPKG23 13V-RECT
D507 RGP10GPKG23 13V-RECT
T501 FBT
+12V (+16V)
IC552 BA4558 PIN-AMPL
IC551 STV9379 V.OUT
D551 GP08DPKG23 BOOST UP
D552 MTZJ-T-77-5.1B PROTECTOR
20 inch only TO CB BOARD
HEATER1
HEATER2
ABL
B-SS3148<U/C>-A..2

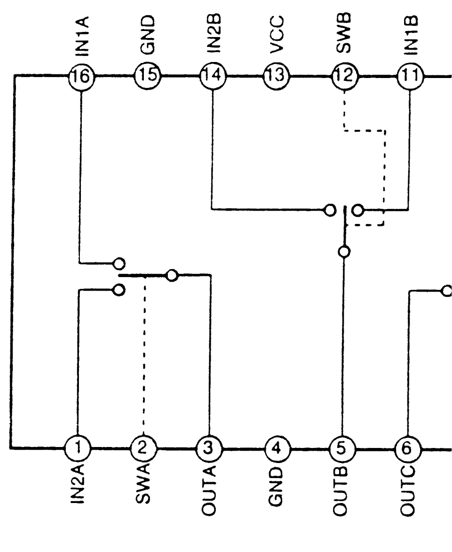
A BOARD IC201 TDA7052A



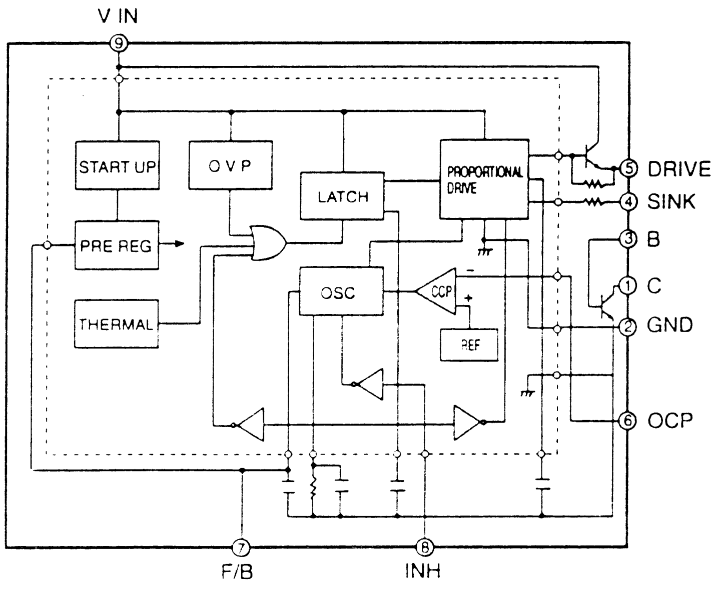
A BOARD IC401 MC14052BCP



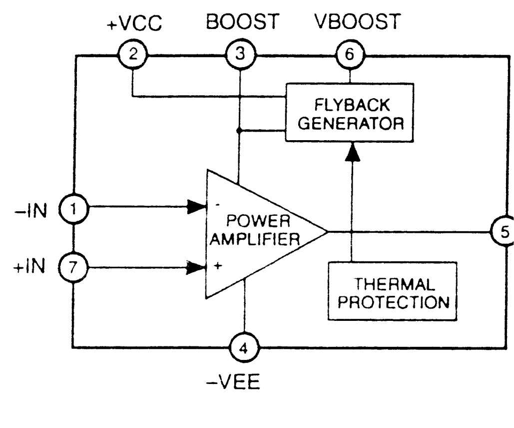
A BOARD IC402 BA7602

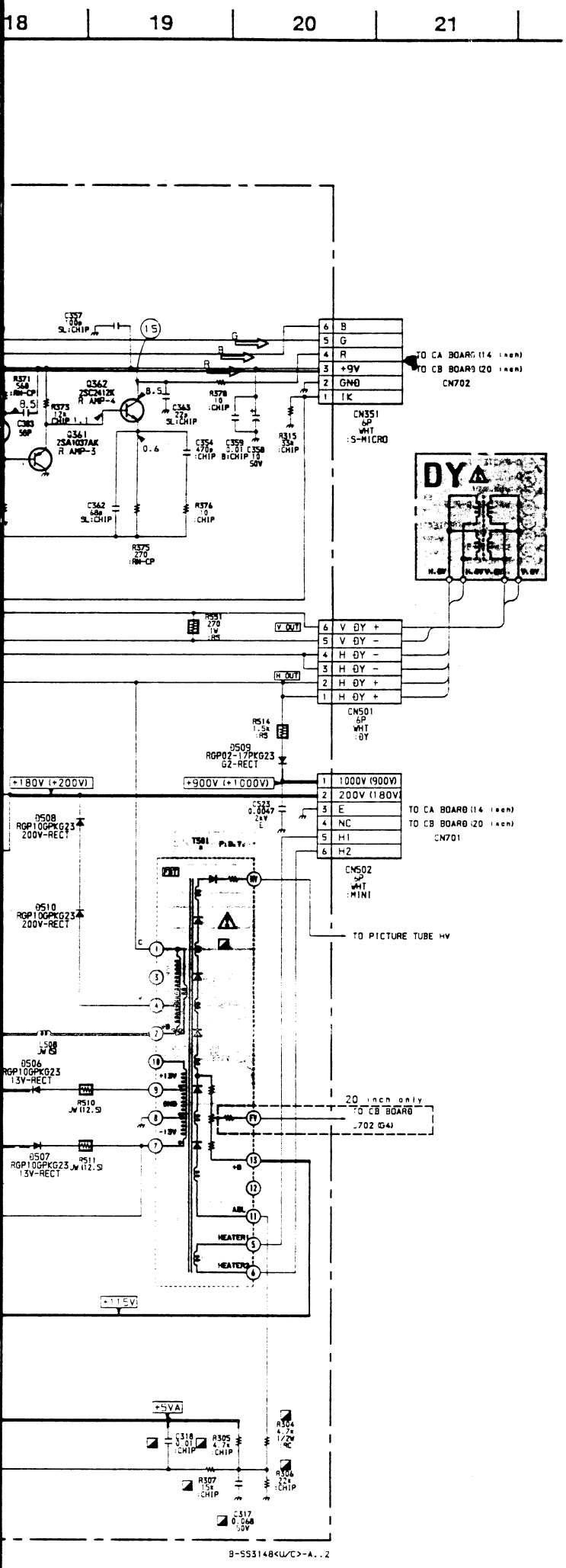


A BOARD IC601 STR-S6708



A BOARD IC551 STV9739





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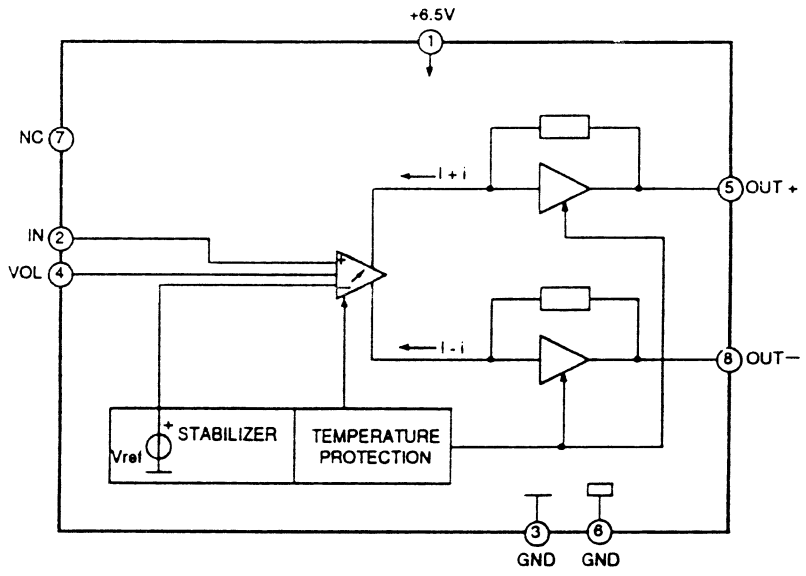
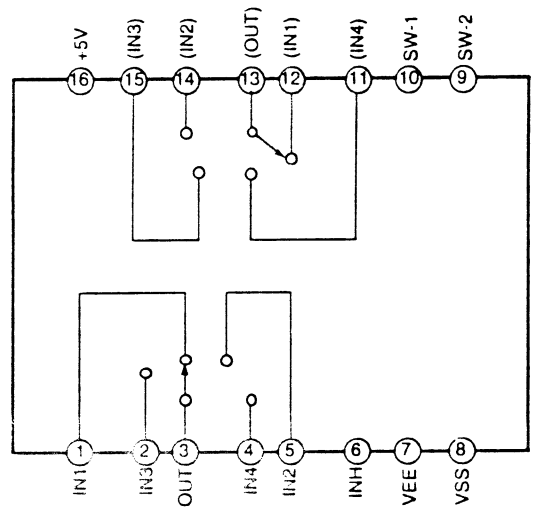
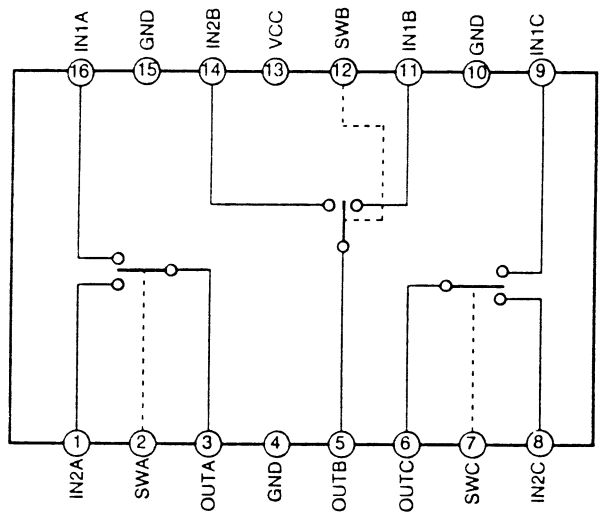


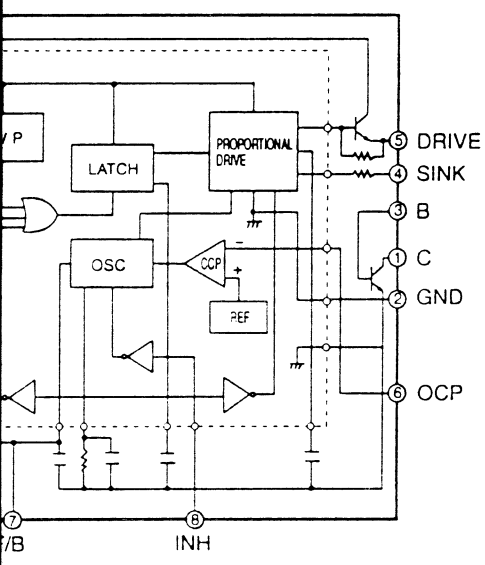
A BOARD IC401 MC14052BCP



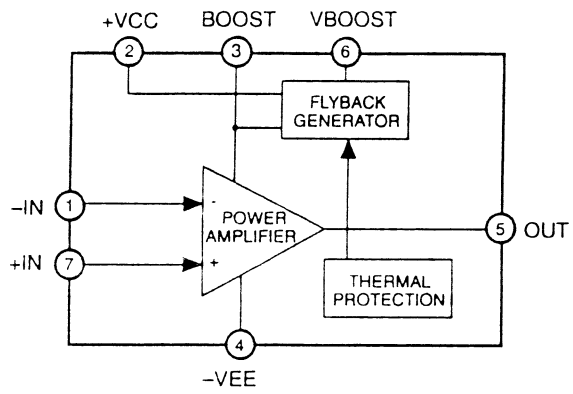
A BOARD IC402 BA7602



TR-S6708



A BOARD IC551 STV9739

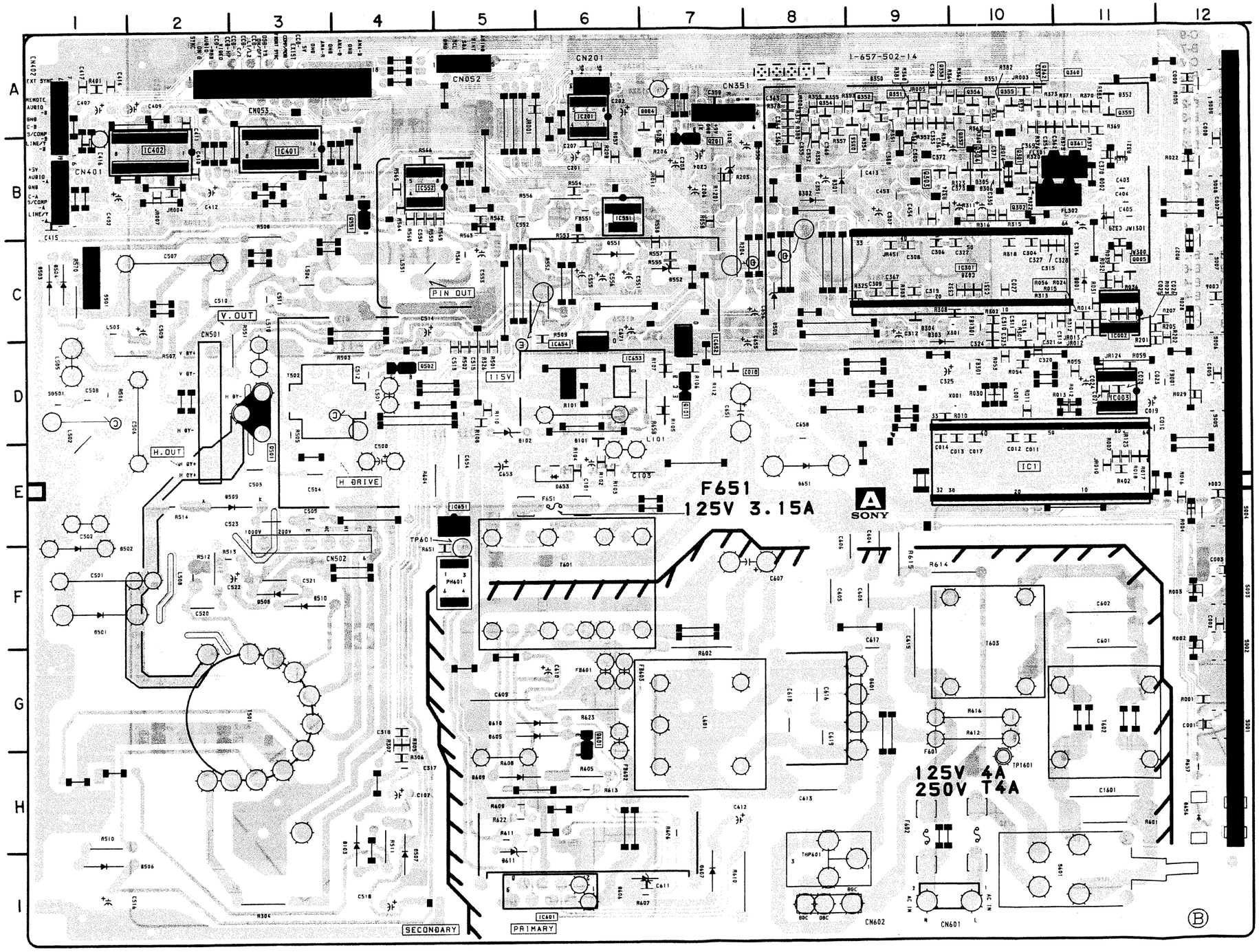


A CONTROLLER, DECODER, AUDIO, H/V OUT, DEFLECTION, PIN AMP, POWER

Serial No. 6000222 and Higher (PVM-14N1A)	Serial No. 6000092 and Higher (PVM-20N1A)
Serial No. 6003700 and Higher (PVM-14N1E)	Serial No. 6000924 and Higher (PVM-20N1E)
Serial No. 6000001 and Higher (PVM-14N1MDE)	Serial No. 6001488 and Higher (PVM-20N1U)
Serial No. 6003584 and Higher (PVM-14N1U)	Serial No. 6000049 and Higher (PVM-20N2A)
Serial No. 6000097 and Higher (PVM-14N2A)	Serial No. 6000799 and Higher (PVM-20N2E)
Serial No. 6002486 and Higher (PVM-14N2E)	Serial No. 6000848 and Higher (PVM-20N2U)
Serial No. 6002320 and Higher (PVM-14N2U)	Serial No. 6001086 and Higher (SSM-20N1E)
Serial No. 6002356 and Higher (SSM-14N1E)	Serial No. 6000968 and Higher (SSM-20N1U)
Serial No. 6002572 and Higher (SSM-14N1U)	

NOTE:
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

— A BOARD —



A BOARD

IC

IC001	E-10
IC002	D-11
IC003	D-11
IC201	A-6
IC301	C-10
IC401	B-3
IC402	B-2
IC551	B-6
IC552	B-4
IC601	I-5
IC651	E-5
IC652	D-7
IC653	D-6
IC654	D-6

TRANSISTOR

Q004	A-7
Q005	C-11
Q101	D-7
Q102	D-7
Q201	B-7
Q301	B-10
Q302	B-10
Q303	B-9
Q304	B-10
Q351	A-9
Q352	A-9
Q353	B-9
Q354	A-8
Q355	A-10
Q356	A-10
Q357	B-10
Q358	A-9
Q359	A-11
Q360	A-11
Q361	A-11
Q362	A-10
Q501	E-3
Q502	D-4
Q551	B-4
Q601	G-6

DIODE

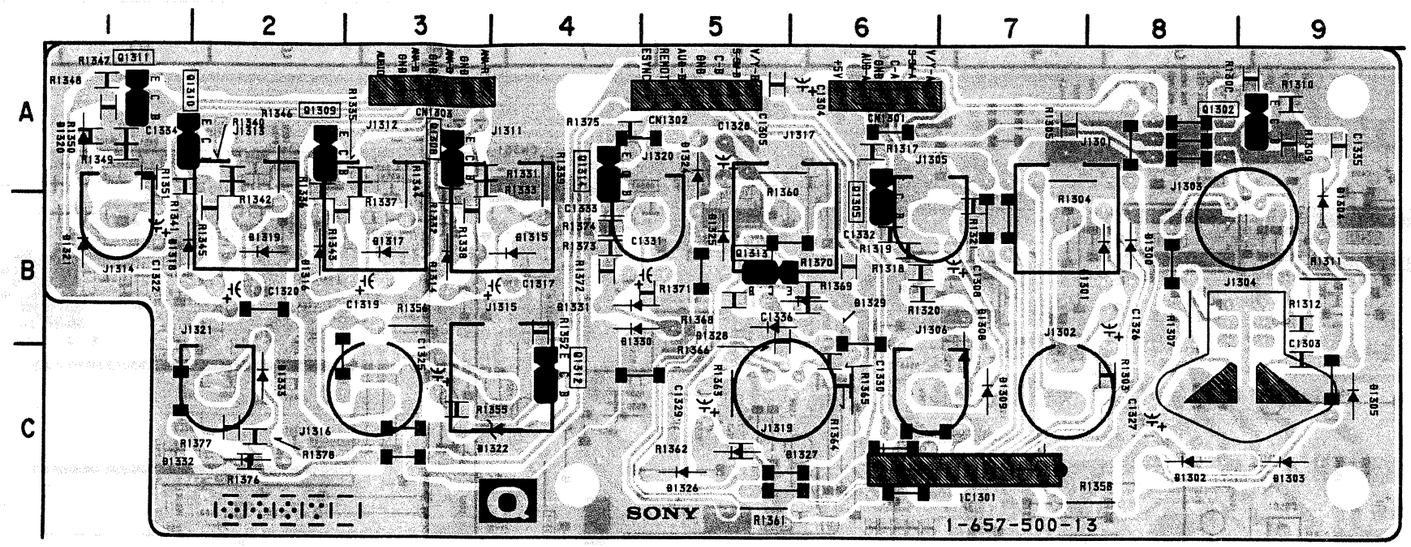
D001	C-11
D002	B-11
D101	E-5
D102	E-5
D103	H-4
D201	B-7
D301	B-8
D302	B-8
D303	D-9
D304	C-9
D305	B-10
D306	B-10
D350	A-9
D351	A-10
D352	A-11
D501	F-1
D502	F-1
D503	C-1
D504	C-1
D505	C-8
D506	I-2
D507	I-4
D508	F-3
D509	E-2
D510	F-3
D551	C-6
D552	C-7
D601	G-9
D605	G-5
D606	I-6
D607	I-7
D609	H-5
D610	G-5
D611	I-5
D651	E-8
D653	E-6
D656	H-12

Q [INPUT SIGNAL SELECT]

— Q BOARD —

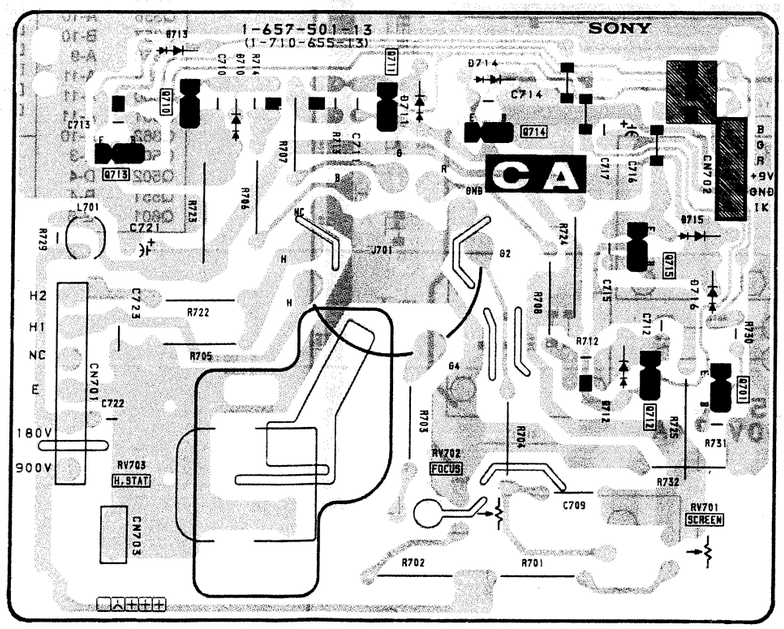
Q BOARD

IC	
IC1301	C-7
TRANSISTOR	
Q1302	A-8
Q1305	B-6
Q1308	A-3
Q1309	A-2
Q1310	A-1
Q1311	A-1
Q1312	C-4
Q1313	B-5
Q1314	A-4
DIODE	
D1300	B-8
D1301	B-7
D1302	C-8
D1303	C-9
D1304	B-9
D1305	C-9
D1308	B-7
D1309	C-7
D1314	B-3
D1315	B-4
D1316	B-2
D1317	B-3
D1318	B-1
D1319	B-2
D1320	A-1
D1321	B-1
D1322	C-4
D1324	A-5
D1325	B-5
D1326	C-5
D1327	C-5
D1328	B-5
D1329	B-6
D1330	B-4
D1331	B-4
D1332	C-1
D1333	C-2



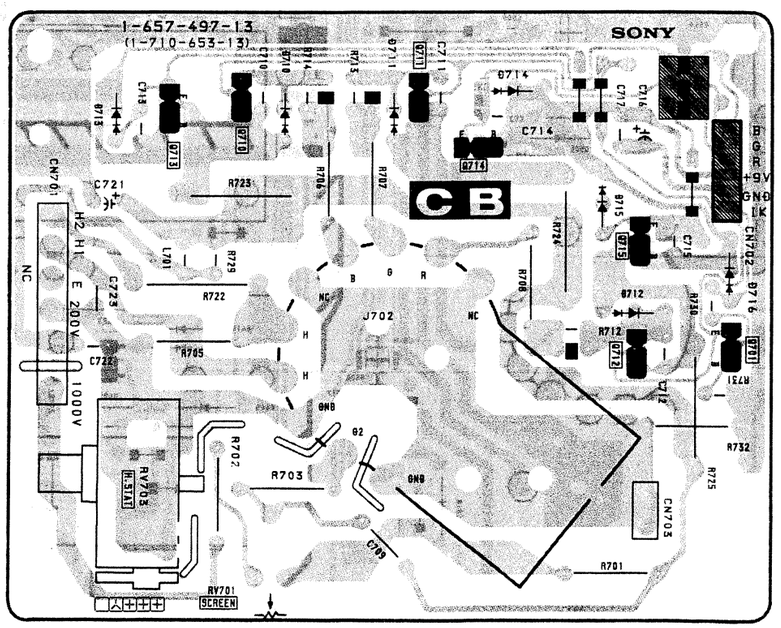
CA [R.G.B. OUT] (14inch)

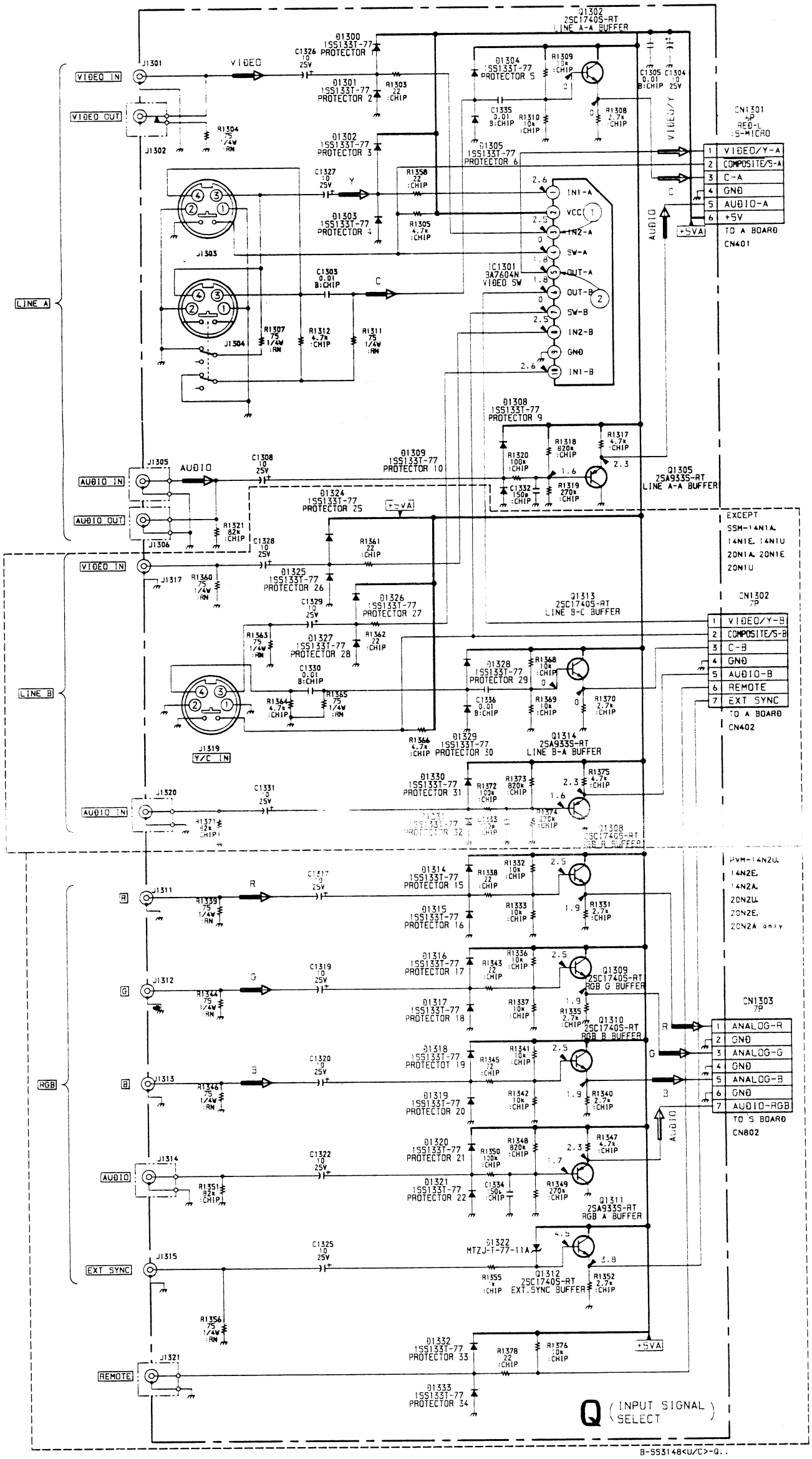
— CA BOARD —



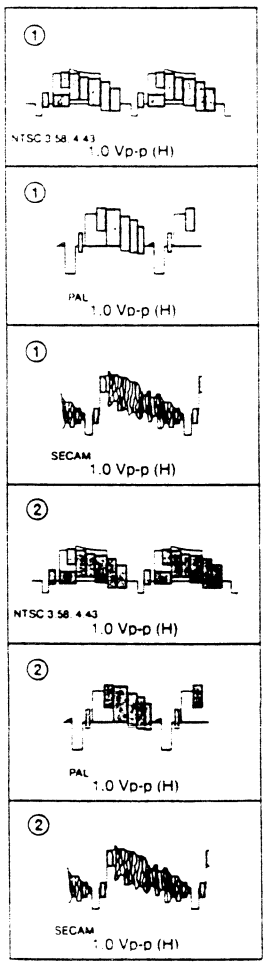
CB [R.G.B. OUT] (20inch)

— CB BOARD —

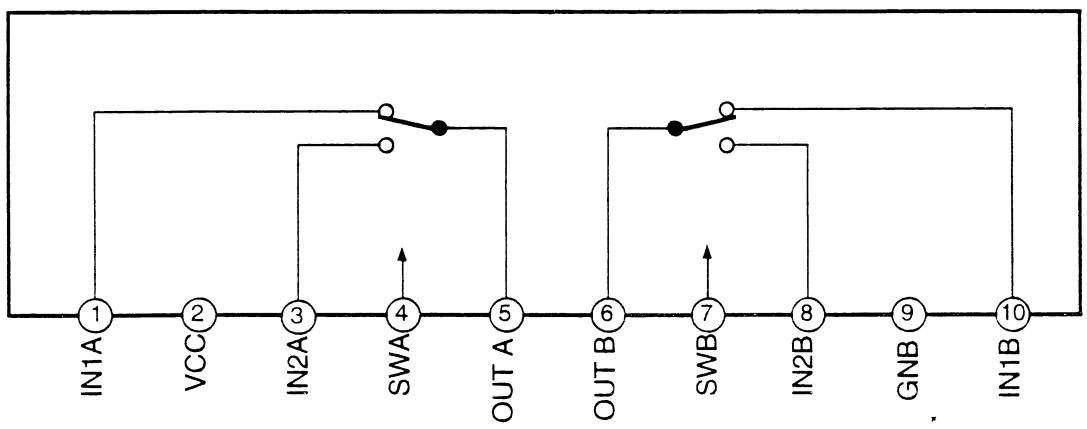




Q BORAD WAVEFORMS

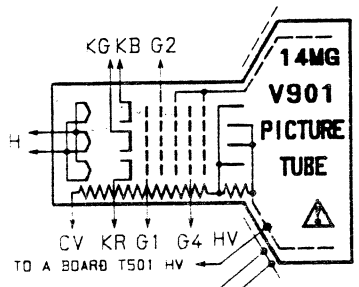


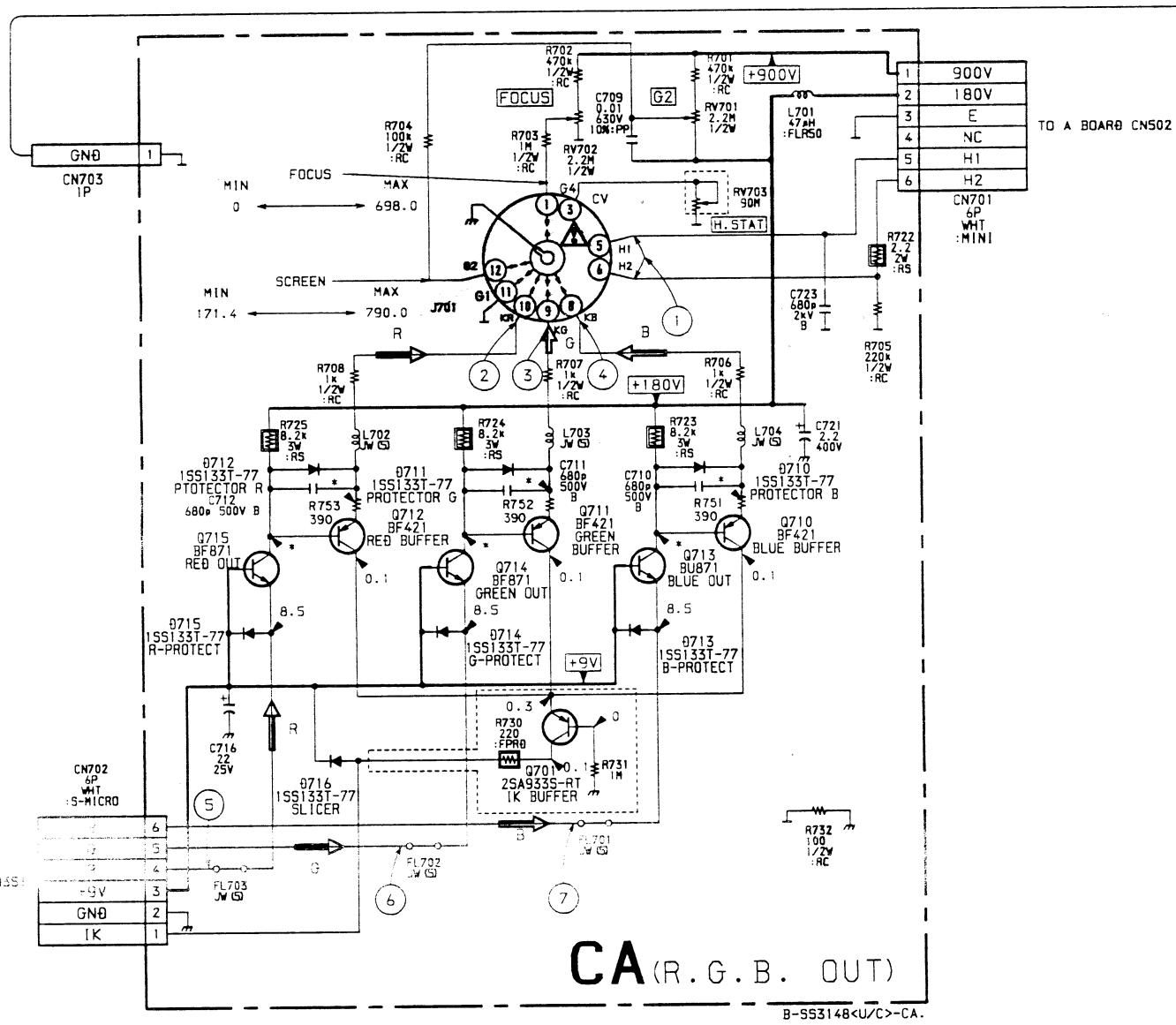
Q BOARD IC1301 BA7604N



CA BOARD *MARK

		NTSC 3.58	NTSC 4.43	PAL	SECAM
Q710	B	156.9	155.3	157.3	156.6
	E	156.6	155.0	157.0	156.2
Q711	B	151.3	149.5	150.8	150.8
	E	151.1	149.1	150.6	150.3
Q712	B	151.3	149.3	151.1	149.6
	E	151.1	148.8	150.8	149.3



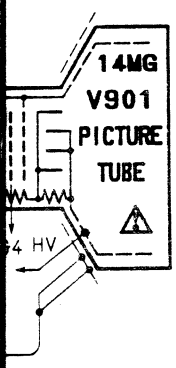


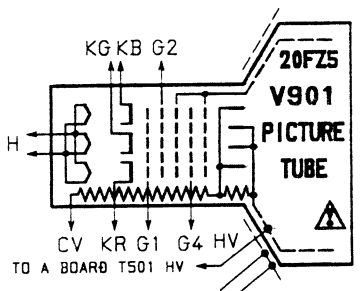
CA BOARD WAVEFORMS

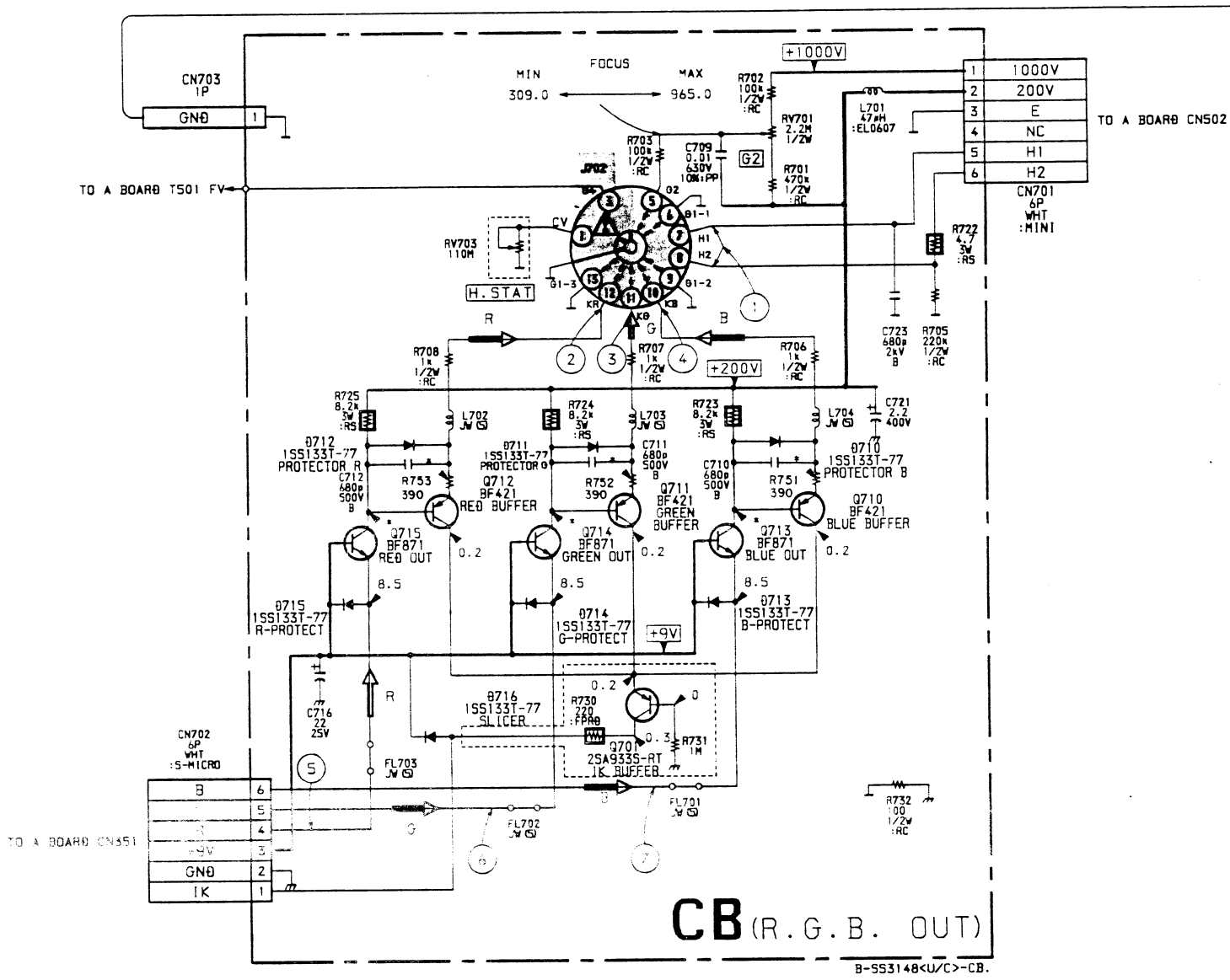
① 28.0 Vp-p (H)	③ NTSC 4.43 56.0 Vp-p (H)	④ SECAM 48.0 Vp-p (H)	⑥ PAL SECAM 1.2 Vp-p (H)
② NTSC 3.58 60.0 Vp-p (H)	③ PAL 55.0 Vp-p (H)	⑤ NTSC 3.58 1.2 Vp-p (H)	⑦ NTSC 3.58 1.2 Vp-p (H)
② NTSC 4.43 60.0 Vp-p (H)	③ SECAM 55.0 Vp-p (H)	⑤ NTSC 4.43 1.2 Vp-p (H)	⑦ NTSC 4.43 1.2 Vp-p (H)
② PAL 63.0 Vp-p (H)	④ NTSC 3.58 50.0 Vp-p (V)	⑤ PAL, SECAM 1.2 Vp-p (H)	⑦ PAL, SECAM 1.1 Vp-p (H)
② SECAM 58.0 Vp-p (H)	④ NTSC 4.43 44.0 Vp-p (H)	⑥ NTSC 3.58 1.1 Vp-p (H)	
③ NTSC 3.58 58.0 Vp-p (H)	④ PAL 46.0 Vp-p (H)	⑥ NTSC 4.43 1.2 Vp-p (H)	

CB BOARD *MARK

		NTSC 3.58	NTSC 4.43	PAL	SECAM
Q710	B	169.7	169.7	169.0	169.7
	E	169.5	169.5	168.8	169.5
Q711	B	164.7	164.7	163.5	164.7
	E	164.5	164.5	163.2	164.5
Q712	B	157.8	157.8	154.5	157.8
	E	157.5	157.5	154.2	157.5

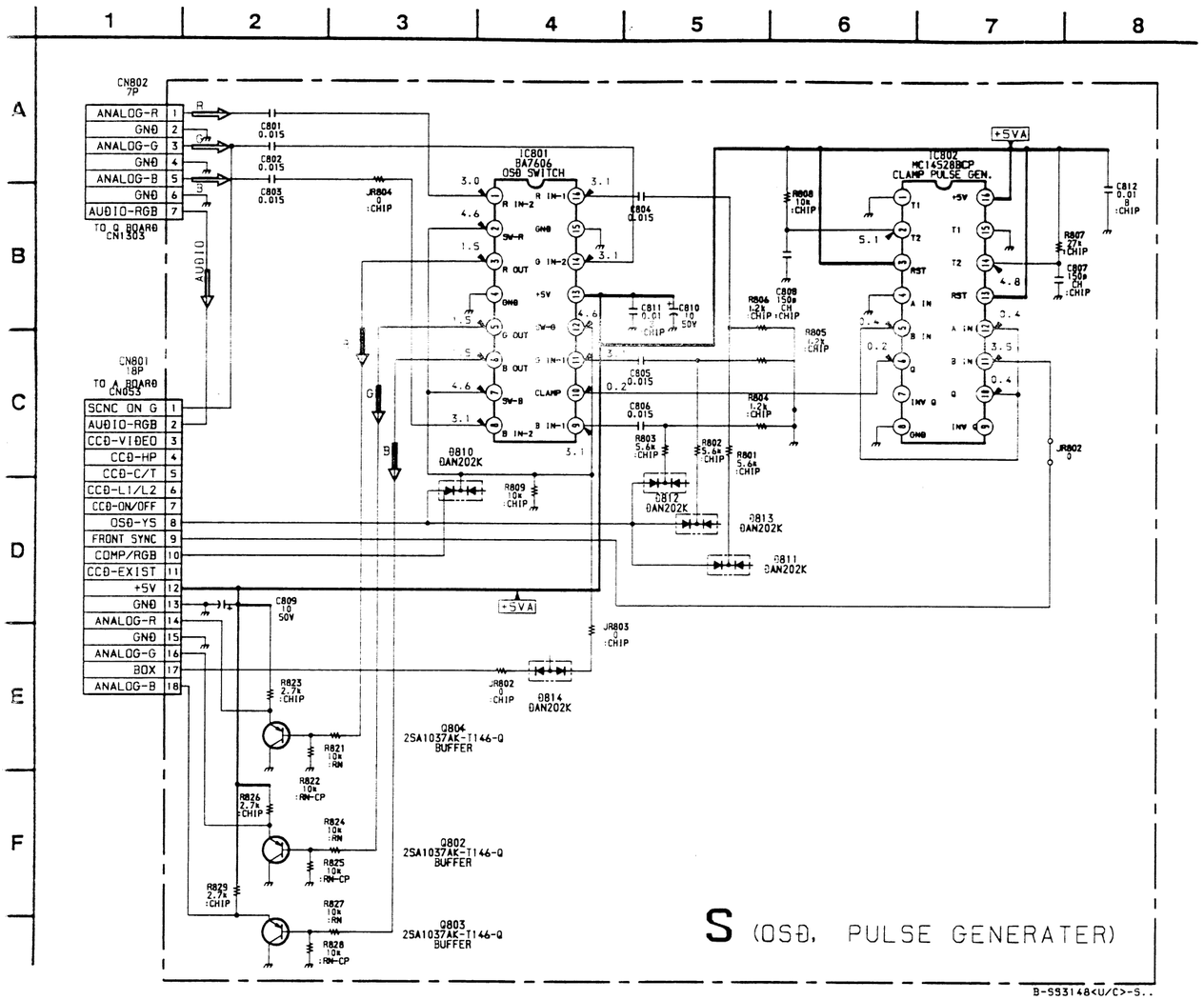




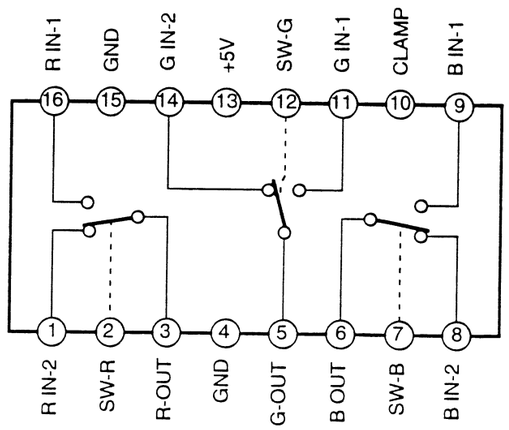


CB BOARD WAVEFORMS

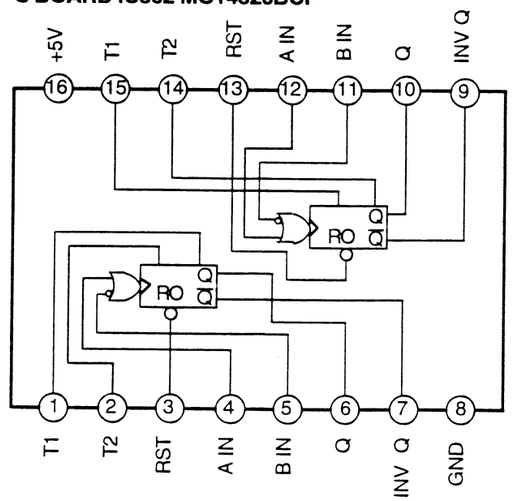
① 28.0 Vp-p (H)	③ NTSC 4.43 68.0 Vp-p (H)	④ SECAM 50.0 Vp-p (H)	⑥ PAL, SECAM 1.2 Vp-p (H)
② NTSC 3.58 78.0 Vp-p (H)	③ PAL 70.0 Vp-p (H)	⑤ NTSC 3.58 1.2 Vp-p (H)	⑦ NTSC 3.58 1.2 Vp-p (H)
② NTSC 4.43 78.0 Vp-p (H)	③ SECAM 70.0 Vp-p (H)	⑤ NTSC 4.43 1.2 Vp-p (H)	⑦ NTSC 4.43 1.2 Vp-p (H)
② PAL 75.0 Vp-p (H)	④ NTSC 3.58 52.0 Vp-p (H)	⑤ PAL, SECAM 1.2 Vp-p (H)	⑦ PAL, SECAM 1.1 Vp-p (H)
② SECAM 70.0 Vp-p (H)	④ NTSC 4.43 52.0 Vp-p (H)	⑥ NTSC 3.58 1.1 Vp-p (H)	
③ NTSC 3.58 66.0 Vp-p (H)	④ PAL 50.0 Vp-p (H)	⑥ NTSC 4.43 1.2 Vp-p (H)	



S BOARD IC801 BA7606

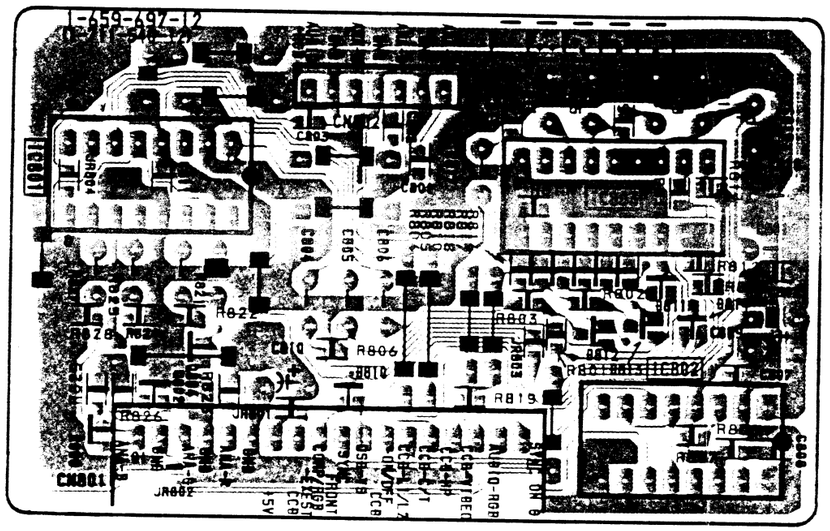


S BOARD IC802 MC14528BCP



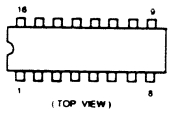
S [OSD, PULSE GENERATER]

— S BOARD —

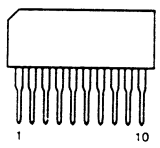


6-4. SEMICONDUCTORS

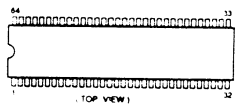
BA7602
BA7606
MC14052BCP
MC14528BCP



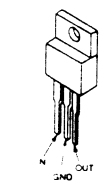
BA7604N



CXP85220A-027S
CXP85220A-033S
VDP3108
VDP3108-PP-A4



MCT7805CT
MCT7809CT
NJM78M09FA
SE115N
TA7805S



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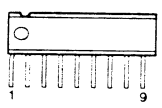
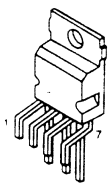


STV9379



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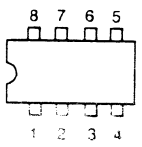

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BF871
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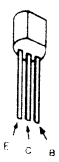
2SA933S-RT



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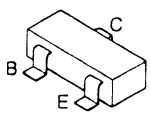

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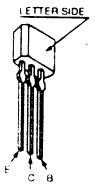
2SC2785-HFE



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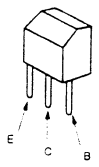

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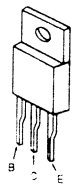
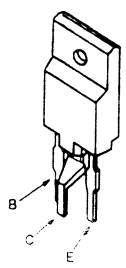


2SD1878-CA



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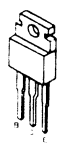

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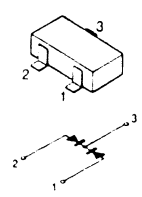
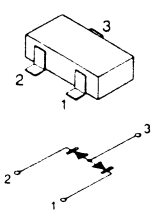


DAP202K-T-146



EGP20G
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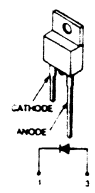
GP08D
RGP02-17EL-6433
RGP10GPKG23
RGP15GPKG23

ERC06-15S
RU-1P

FML-G12S



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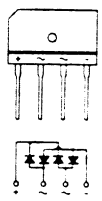
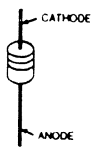


MTZJ-11A
MTZJ-5.1B
MTZJ-7.5B
MTZJ-6.2C
RD5.1ESB2
1SS133



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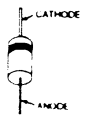

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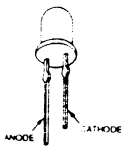


NOTE 3:

- The parts No. of the picture tube differs according to the serial No. described b

Serial No. 6000402 and Higher (PVM-14N1A)	Serial No. 6000142 and Higher
Serial No. 6005960 and Higher (PVM-14N1E)	Serial No. 6001149 and Higher
Serial No. 6000001 and Higher (PVM-14N1MDE)	Serial No. 6002388 and Higher
Serial No. 6006069 and Higher (PVM-14N1U)	Serial No. 6000048 and Higher
Serial No. 6000127 and Higher (PVM-14N2A)	Serial No. 6000817 and Higher
Serial No. 6003540 and Higher (PVM-14N2E)	Serial No. 6001384 and Higher
Serial No. 6003311 and Higher (PVM-14N2U)	Serial No. 6001626 and Higher
Serial No. 6003696 and Higher (SSM-14N1E)	Serial No. 6001970 and Higher
Serial No. 6004630 and Higher (SSM-14N1U)	

NOTE 1:

- The part number marked ✱1 or ✱2 and ✱3 or ✱4 are matching with each serial nu
  See the following serial number.

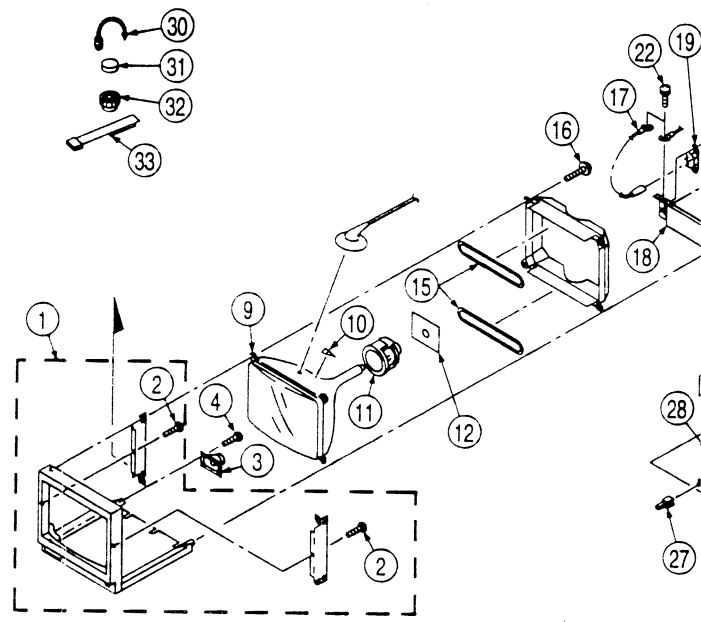
✱1: Serial No. 6000001 to 6000221 (PVM-14N1A)	✱2: Serial No. 6000222 and Higher
Serial No. 6000001 to 6003699 (PVM-14N1E)	Serial No. 6003700 and Higher
Serial No. 6000001 to 6003583 (PVM-14N1U)	Serial No. 6003584 and Higher
Serial No. 6000001 to 6000096 (PVM-14N2A)	Serial No. 6000097 and Higher
Serial No. 6000001 to 6002485 (PVM-14N2E)	Serial No. 6002486 and Higher
Serial No. 6000001 to 6002319 (PVM-14N2U)	Serial No. 6002320 and Higher
Serial No. 6000001 to 6002355 (SSM-14N1E)	Serial No. 6002356 and Higher
Serial No. 6000001 to 6002571 (SSM-14N1U)	Serial No. 6002572 and Higher
✱3: Serial No. 6000001 to 6000091 (PVM-20N1A)	✱4: Serial No. 6000092 and Higher
Serial No. 6000001 to 6000923 (PVM-20N1E)	Serial No. 6000924 and Higher
Serial No. 6000001 to 6001487 (PVM-20N1U)	Serial No. 6001488 and Higher
Serial No. 6000001 to 6000048 (PVM-20N2A)	Serial No. 6000049 and Higher
Serial No. 6000001 to 6000798 (PVM-20N2E)	Serial No. 6000799 and Higher
Serial No. 6000001 to 6000847 (PVM-20N2U)	Serial No. 6000848 and Higher
Serial No. 6000001 to 6001085 (SSM-20N1E)	Serial No. 6001086 and Higher
Serial No. 6000001 to 6000967 (SSM-20N1U)	Serial No. 6000968 and Higher

NOTE 2:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The comp
shading
critical for
Replace on
specified.

7-1. CHASSIS (14 inch)



REF NO.		PART NO.	DESCRIPTION	REMARK
1		X-4033-973-1	BEZNET ASSY (PVM-14N2A/14N2E/14N2U)	2
		X-4033-974-1	BEZNET ASSY (PVM-14N1A/14N1E/14N1U)	2
		X-4033-975-1	BEZNET ASSY (SSM-14N1E/14N1U)	2
		X-4033-976-2	BEZNET ASSY (PVM-14N1MDE)	
2		4-039-358-01	SCREW (4x16), (+) BV TAPPING	
3		1-505-188-11	SPEAKER (4x7CM)	
4		4-039-356-01	SCREW (3x12), (+) BV TAPPING	
5		4-050-073-11	CABINET (PVM-14N1A/14N1E/14N1U/14N2A/14N2E/14N2U, SSM-14N1E/14N1U)	
		4-050-073-41	CABINET (PVM-14N1MDE)	
6		4-389-320-21	HANDLE	
7		4-391-825-01	RIVET, NYLON	
8		4-847-802-11	SCREW (M4x8), CLAW	
9	⚠	**8-738-336-05**	**PICTURE TUBE 14MG (PVM-14N1A/14N1E/14N1U/14N2A/14N2E/14N2U, SSM-14N1E/14N1U)**	
			NOTE 3:	
	⚠	**8-738-342-05**	**PICTURE TUBE 14MG**	
10		3-704-495-01	SPACER, DY	
11	⚠	**8-451-472-11**	**DY Y14MGAT**	
12	*	A-1331-459-A	CA BOARD, COMPLETE	
15	⚠	**1-426-442-21**	**COIL, DEMAGNETIZATION**	
16		4-203-648-01	SCREW (5), SELF TAPPING	
17	*	1-900-214-07	WIRE ASSY, SEFETY EARTH	
18	*	A-1270-356-A	Q BOARD, COMPLETE (PVM-14N1A/14N1E/14N1MDE/14N1U)	
	*	A-1270-357-A	Q BOARD, COMPLETE (PVM-14N2A/14N2E/14N2U)	
	*	A-1270-362-A	Q BOARD, COMPLETE (SSM-14N1E/14N1U)	
19	⚠	**1-251-263-11**	**INLET, AC**	
20		4-050-078-01	SCREW +P (M3x10)	
21		4-050-074-03	PANEL CONNECTOR	
22		4-050-077-01	SCREW +PS (4x8)	
23		4-050-081-01	PANEL, REAR	

REF NO.	
24	✱1
	✱2
	✱1
	✱2
	✱1
	✱2
	*
25	⚠
	⚠
26	⚠
27	
28	⚠
	⚠
	⚠
29	*
30	
31	
32	
33	
34	⚠

NOTE 3:

- The parts No. of the picture tube differs according to the serial No. described below.

Serial No. 6000402 and Higher (PVM-14N1A)
Serial No. 6005960 and Higher (PVM-14N1E)
Serial No. 6000001 and Higher (PVM-14N1MDE)
Serial No. 6006069 and Higher (PVM-14N1U)
Serial No. 6000127 and Higher (PVM-14N2A)
Serial No. 6003540 and Higher (PVM-14N2E)
Serial No. 6003311 and Higher (PVM-14N2U)
Serial No. 6003696 and Higher (SSM-14N1E)
Serial No. 6004630 and Higher (SSM-14N1U)

Serial No. 6000142 and Higher (PVM-20N1A)
Serial No. 6001149 and Higher (PVM-20N1E)
Serial No. 6002388 and Higher (PVM-20N1U)
Serial No. 6000048 and Higher (PVM-20N2A)
Serial No. 6000817 and Higher (PVM-20N2E)
Serial No. 6001384 and Higher (PVM-20N2U)
Serial No. 6001626 and Higher (SSM-20N1E)
Serial No. 6001970 and Higher (SSM-20N1U)

NOTE 1:

- The part number marked ✱1 or ✱2 and ✱3 or ✱4 are matching with each serial number. See the following serial number.

✱1: Serial No. 6000001 to 6000221 (PVM-14N1A)
Serial No. 6000001 to 6003699 (PVM-14N1E)
Serial No. 6000001 to 6003583 (PVM-14N1U)
Serial No. 6000001 to 6000096 (PVM-14N2A)
Serial No. 6000001 to 6002485 (PVM-14N2E)
Serial No. 6000001 to 6002319 (PVM-14N2U)
Serial No. 6000001 to 6002355 (SSM-14N1E)
Serial No. 6000001 to 6002571 (SSM-14N1U)
✱3: Serial No. 6000001 to 6000091 (PVM-20N1A)
Serial No. 6000001 to 6000923 (PVM-20N1E)
Serial No. 6000001 to 6001487 (PVM-20N1U)
Serial No. 6000001 to 6000048 (PVM-20N2A)
Serial No. 6000001 to 6000798 (PVM-20N2E)
Serial No. 6000001 to 6000847 (PVM-20N2U)
Serial No. 6000001 to 6001085 (SSM-20N1E)
Serial No. 6000001 to 6000967 (SSM-20N1U)

✱2: Serial No. 6000222 and Higher (PVM-14N1A)
Serial No. 6003700 and Higher (PVM-14N1E)
Serial No. 6003584 and Higher (PVM-14N1U)
Serial No. 6000097 and Higher (PVM-14N2A)
Serial No. 6002486 and Higher (PVM-14N2E)
Serial No. 6002320 and Higher (PVM-14N2U)
Serial No. 6002356 and Higher (SSM-14N1E)
Serial No. 6002572 and Higher (SSM-14N1U)
✱4: Serial No. 6000092 and Higher (PVM-20N1A)
Serial No. 6000924 and Higher (PVM-20N1E)
Serial No. 6001488 and Higher (PVM-20N1U)
Serial No. 6000049 and Higher (PVM-20N2A)
Serial No. 6000799 and Higher (PVM-20N2E)
Serial No. 6000848 and Higher (PVM-20N2U)
Serial No. 6001086 and Higher (SSM-20N1E)
Serial No. 6000963 and Higher (SSM-20N1U)

SECTION 7
EXPLODED VIEWS

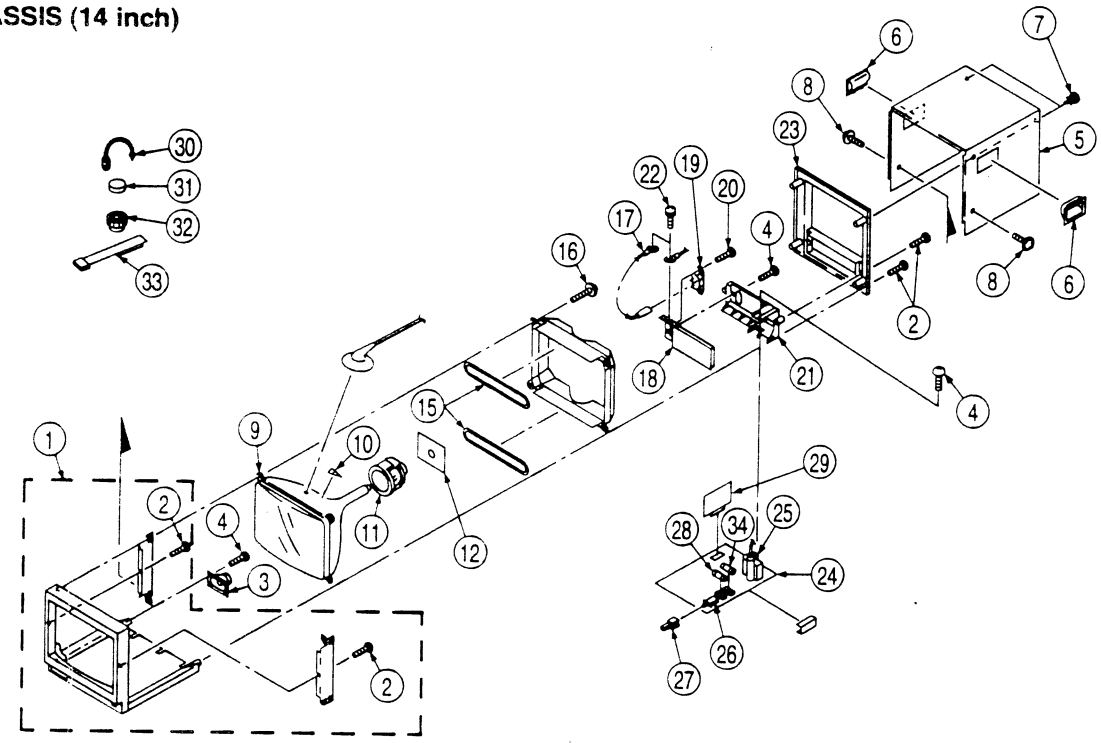
NOTE 2:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and marked ⚠ are critical for safety.
Replace only with the part number specified.

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite.
Ne les remplacer que par une piece portant le numero specifie.

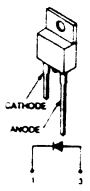
7-1. CHASSIS (14 inch)



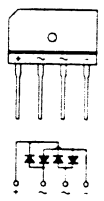
REF NO.		PART NO.	DESCRIPTION	REMARK
1		X-4033-973-1	BEZNET ASSY (PVM-14N2A/14N2E/14N2U)	2
		X-4033-974-1	BEZNET ASSY (PVM-14N1A/14N1E/14N1U)	2
		X-4033-975-1	BEZNET ASSY (SSM-14N1E/14N1U)	2
		X-4033-976-2	BEZNET ASSY (PVM-14N1MDE)	
2		4-039-358-01	SCREW (4x16), (+) BV TAPPING	
3		1-505-188-11	SPEAKER (4x7CM)	
4		4-039-356-01	SCREW (3x12), (+) BV TAPPING	
5		4-050-073-11	CABINET (PVM-14N1A/14N1E/14N1U/14N2A/14N2E/14N2U, SSM-14N1E/14N1U)	
		4-050-073-41	CABINET (PVM-14N1MDE)	
6		4-389-320-21	HANDLE	
7		4-391-825-01	RIVET, NYLON	
8		4-847-802-11	SCREW (M4x8), CLAW	
9	⚠	8-738-336-05	PICTURE TUBE 14MG (PVM-14N1A/14N1E/14N1U/14N2A/14N2E/14N2U, SSM-14N1E/14N1U)	
		NOTE 3:		
	⚠	8-738-342-05	PICTURE TUBE 14MG	
10		3-704-495-01	SPACER, DY	
11	⚠	8-451-472-11	DY Y14MGAT	
12		* A-1331-459-A	CA BOARD, COMPLETE	
15	⚠	1-426-442-21	COIL, DEMAGNETIZATION	
16		4-203-648-01	SCREW (5), SELF TAPPING	
17		* 1-900-214-07	WIRE ASSY, SEFETY EARTH	
18		* A-1270-356-A	Q BOARD, COMPLETE (PVM-14N1A/14N1E/14N1MDE/14N1U)	
		* A-1270-357-A	Q BOARD, COMPLETE (PVM-14N2A/14N2E/14N2U)	
		* A-1270-362-A	Q BOARD, COMPLETE (SSM-14N1E/14N1U)	
19	⚠	1-251-263-11	INLET, AC	
20		4-050-078-01	SCREW +P (M3x10)	
21		4-050-074-03	PANEL CONNECTOR	
22		4-050-077-01	SCREW +PS (4x8)	
23		4-050-081-01	PANEL, REAR	

REF NO.		PART NO.	DESCRIPTION	REMARK
24	✱1 *	A-1297-543-A	A BOARD, COMPLETE	
	✱2 *	A-1297-543-B	A BOARD, COMPLETE (PVM-14N1A/14N1E/14N1U)	
	✱1 *	A-1297-546-A	A BOARD, COMPLETE	
	✱2 *	A-1297-546-B	A BOARD, COMPLETE (PVM-14N2A/14N2E/14N2U)	
	✱1 *	A-1297-593-A	A BOARD, COMPLETE	
	✱2 *	A-1297-593-B	A BOARD, COMPLETE (SSM-14N1E/14N1U)	
	*	A-1298-039-A	A BOARD, COMPLETE (PVM-14N1MDE)	
25	⚠	1-453-201-11	TRANSFORMER ASSY, FLYBACK NX-2610/U2A (PVM-14N1A/14N1E/14N1U/14N2A/14N2E/14N2U, SSM-14N1E/14N1U)	
	⚠	1-540-006-12	TRANSFORMER ASSY, FLYBACK NX-2610 (PVM-14N1MDE)	
26	⚠	1-571-433-31	SWITCH, PUSH (AC POWER)	
27		4-050-085-01	BUTTON, POWER SWITCH	
28	⚠	1-532-746-11	FUSE, GLASS TUBE 4A/125V (PVM-14N1U/14N2U, SSM-14N1U)	
	⚠	1-576-231-21	FUSE (H.B.C.) 4A/250V (PVM-14N1A/14N1E/14N2A/14N2E, SSM-14N1E)	
	⚠	1-576-231-11	FUSE (H.B.C.) 4A/250V (PVM-14N1MDE)	
29	*	A-1390-638-A	S BOARD, COMPLETE	
30		4-308-870-00	CLIP, LEAD WIRE	
31		1-452-032-00	MAGNET,DISC	
32		1-452-094-00	MAGNET, ROTATABLE DISK; 15MMØ	
33		X-4309-608-0	PERMALLOY ASSY, CONVERGENCE	
34	⚠	1-576-231-11	FUSE (H.B.C) 4A/250V (PVM-14N1MDE)	

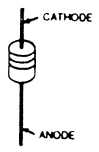
FML-G12S



GBU4JL-6068

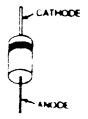


MTZJ-11A
MTZJ-5.1B
MTZJ-7.5B
MTZJ-6.2C
RD5.1ESB2
1SS133



MTZJ-36B

RU4AM-T3



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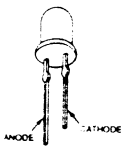
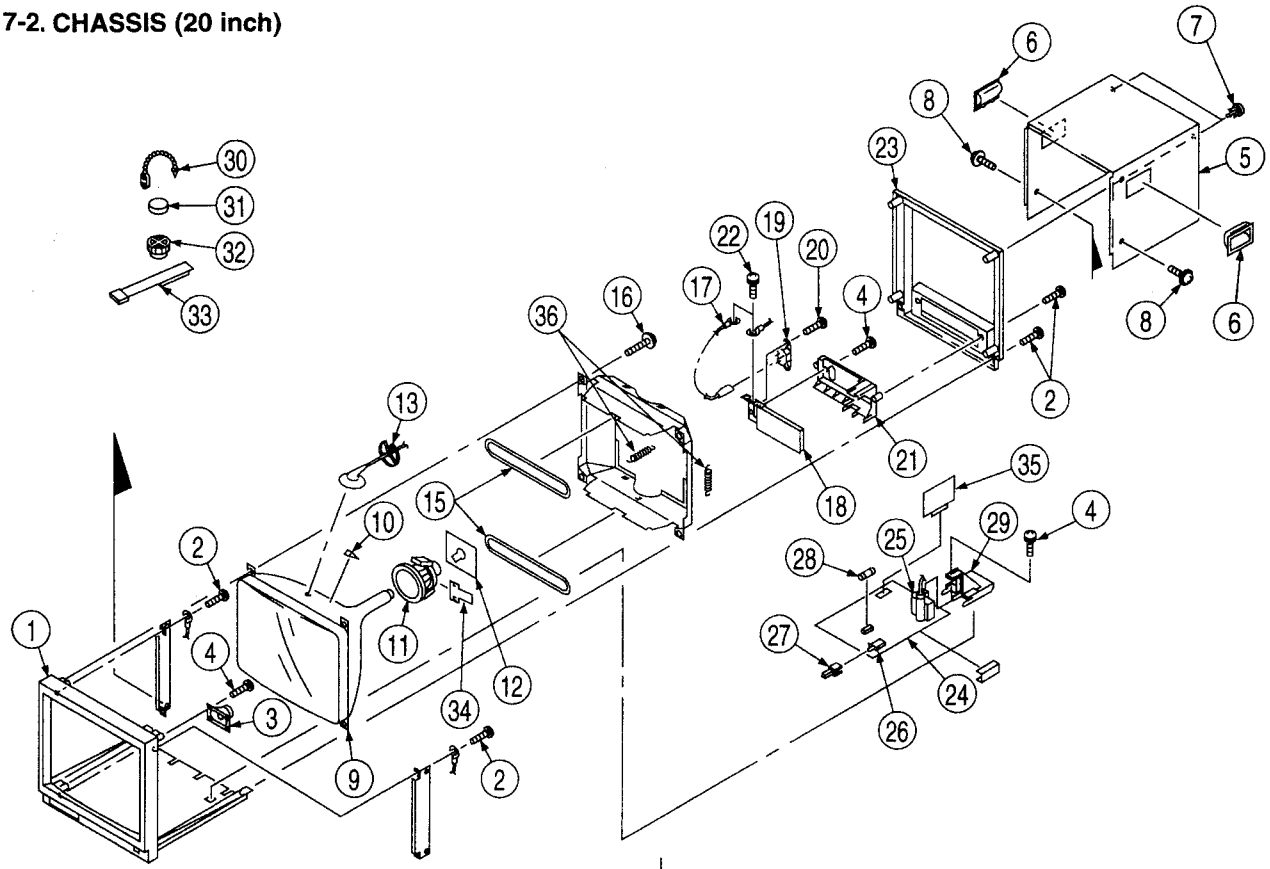


The components identified by shading and marked ⚠ are critical for safety.
Replace only with the part number specified.

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite.
Ne les remplacer que par une piece portant le numero specifie.

7-2. CHASSIS (20 inch)



REF NO.		PART NO.	DESCRIPTION	REMARK
1		X-4033-977-1	BEZNET ASSY (PVM-20N2A/20N2E/20N2U)	
		X-4033-978-1	BEZNET ASSY (PVM-20N1A/20N1E/20N1U)	
		X-4033-979-1	BEZNET ASSY (SSM-20N1E/20N1U)	
2		4-039-358-01	SCREW (4x16), (+) BV TAPPING	
3		1-505-188-11	SPEAKER (4x7CM)	
4		4-039-356-01	SCREW (3x12), (+) BV TAPPING	
5		4-050-060-11	CABINET	
6		4-389-320-21	HANDLE	
7		4-391-825-01	RIVET, NYLON	
8		4-847-802-11	SCREW (M4x8), CLAW	
9	⚠	8-736-130-05	PICTURE TUBE 20FZ5	
		NOTE 3:		
	⚠	8-736-135-05	PICTURE TUBE 20FZ5	
10		3-704-495-01	SPACER, DY	
11	⚠	1-451-349-12	DEFLECTION YOKE (Y20FZA)	
12		* A-1331-458-A	CB BOARD, COMPLETE	
13		* 3-704-372-01	HOLDER, HV CABLE	
15	⚠	1-411-750-11	COIL, DEMAGNETIZATION	
16		4-203-648-01	SCREW (5), SELF TAPPING	
17		* 1-900-214-07	WIRE ASSY, SEFETY EARTH	
18		* A-1270-356-A	Q BOARD, COMPLETE (PVM-20N1A/20N1E/20N1U)	
		* A-1270-357-A	Q BOARD, COMPLETE (PVM-20N2A/20N2E/20N2U)	
		* A-1270-362-A	Q BOARD, COMPLETE (SSM-20N1E/20N1U)	
19	⚠	1-251-263-11	INLET, AC	
20		4-050-078-01	SCREW +P (M3x10)	

REF NO.		PART NO.	DESCRIPTION	REMARK
21		4-050-074-03	PANEL CONNECTOR	
22		4-050-077-01	SCREW +PS (4x8)	
23		4-050-063-01	PANEL, REAR	
24	✳3	* A-1297-544-A	A BOARD, COMPLETE	
	✳4	* A-1297-544-B	A BOARD, COMPLETE (PVM-20N1A/20N1E/20N1U)	
	✳3	* A-1297-545-A	A BOARD, COMPLETE	
	✳4	* A-1297-545-B	A BOARD, COMPLETE (PVM-20N2A/20N2E/20N2U)	
	✳3	* A-1297-592-A	A BOARD, COMPLETE	
	✳4	* A-1297-592-B	A BOARD, COMPLETE (SSM-20N1E/20N1U)	
25	⚠	1-453-202-11	TRANSFORMER ASSY, FLYBACK NX-2613//U2A	
26	⚠	1-571-433-31	SWITCH, PUSH (AC POWER)	
27		4-050-085-01	BUTTON, POWER SWITCH	
28	⚠	1-532-746-11	FUSE, GLASS TUBE 4A/125V (PVM-20N1U/20N2U, SSM-20N1U)	
	⚠	1-576-231-21	FUSE (H.B.C.) 4A/250V (PVM-20N1A/20N1E/20N2A /20N2E, SSM-20N1E)	
29		4-050-066-01	HOLDER, PCB	
30		4-308-870-00	CLIP, LEAD WIRE	
31		1-452-032-00	MAGNET, DISC	
32		1-452-094-00	MAGNET, ROTATABLE DISK; 15MMØ	
33		X-4309-608-0	PERMALLOY ASSY, CONVERGENCE	
34		4-030-120-01	PLATE, CORRECTION, TLV	
35		* A-1390-638-A	S BOARD, COMPLETE	
36		4-369-318-31	SPRING TENSION	

Q

SECTION 8
ELECTRICAL PARTS LIST

The components identified by shading and marked ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une tramé et une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
  RESISTORS
- All resistors are in ohms
- F : nonflammable

When indicating parts by reference number, please include the board name.

- The components identified by ⊠ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-rey rediation.
  Should repallcement be rquired, replace only with the value originally used.
- There are some cases the reference number on one board overlaps on the other board, Therefor, when ordering parts by the reference number, please include the board name.

REF NO.	PART NO.	DESCRIPTION	REMARK
	*A-1270-356-A	Q BOARD, COMPLETE (PVM-14N1A, 14N1E, ********** 14N1MDE, 14N1U, 20N1A, 20N1E, 20N1U)	
	*A-1270-357-A	Q BOARD, COMPLETE (PVM-14N2A, 14N2E, 14N2U, ********** 20N2A,20N2E, 20N2U)	
	*A-1270-362-A	Q BOARD, COMPLETE (SSM-14N1E, 14N1U, 20N1E, ********** 20N1U)	
	1-694-045-11	TERMINAL BOARD ASSY, I/O (J1301, 1302, 1305, 1306, 1311-1315, 1317, 1320, 1321) (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
	1-694-046-11	TERMINAL BOARD ASSY, I/O (J1301, 1302, 1305, 1306, 1317, 1320) (PVM-14N1A, 14N1E, 14N1U, 20N1A, 20N1E, 20N1U)	
	1-694-047-11	TERMINAL BOARD ASSY, I/O (J1301, 1302, 1305, 1306) (SSM-14N1E, 14N1U, 20N1E, 20N1U)	
	7-627-557-48	SCREW (2.6X10), +P TAPPING	
	*3-175-740-01	TERMINAL (PVM-14N1MDE)	
	*3-175-741-01	NUT (PVM-14N1MDE)	
	*3-175-742-01	WASHER (PVM-14N1MDE)	
		< CAPACITOR >	
C1303	1-164-232-11	CERAMIC CHIP 0.01µF 10% 50V	
C1304	1-126-096-11	ELECT 10µF 20% 25V	
C1305	1-164-232-11	CERAMIC CHIP 0.01µF 10% 50V	
C1308	1-126-096-11	ELECT 10µF 20% 25V	
C1317	1-126-096-11	ELECT 10µF 20% 25V (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
C1319	1-126-096-11	ELECT 10µF 20% 25V (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
C1320	1-126-096-11	ELECT 10µF 20% 25V (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
C1322	1-126-096-11	ELECT 10µF 20% 25V (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
C1325	1-126-096-11	ELECT 10µF 20% 25V (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
C1326	1-126-096-11	ELECT 10µF 20% 25V	
C1327	1-126-096-11	ELECT 10µF 20% 25V	
C1328	1-126-096-11	ELECT 10µF 20% 25V (EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)	
C1329	1-126-096-11	ELECT 10µF 20% 25V (EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)	
C1330	1-164-232-11	CERAMIC CHIP 0.01µF 10% 50V (EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)	
C1331	1-126-096-11	ELECT 10µF 20% 25V (EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)	
C1332	1-163-121-00	CERAMIC CHIP 150PF 5% 50V	
C1333	1-163-121-00	CERAMIC CHIP 150PF 5% 50V (EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)	
C1334	1-163-121-00	CERAMIC CHIP 150PF 5% 50V (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E,20N2U)	
C1335	1-164-232-11	CERAMIC CHIP 0.01µF 10% 50V	
C1336	1-164-232-11	CERAMIC CHIP 0.01µF 10% 50V (EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)	
		<CONNECTOR>	
CN1301	*1-564-521-11	PLUG, CONNECTOR 6P	
CN1302	*1-564-522-11	PLUG, CONNECTOR 7P (EXCEPT SSM- 14N1E, 14N1U, 20N1E, 20N1U)	
CN1303	*1-564-522-11	PLUG, CONNECTOR 7P (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
		< DIODE >	
D1300	8-719-991-33	DIODE 1SS133T-77	
D1301	8-719-991-33	DIODE 1SS133T-77	
D1302	8-719-991-33	DIODE 1SS133T-77	
D1303	8-719-991-33	DIODE 1SS133T-77	
D1304	8-719-991-33	DIODE 1SS133T-77	
D1305	8-719-991-33	DIODE 1SS133T-77	
D1308	8-719-991-33	DIODE 1SS133T-77	
D1309	8-719-991-33	DIODE 1SS133T-77	
D1314	8-719-991-33	DIODE 1SS133T-77 (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
D1315	8-719-991-33	DIODE 1SS133T-77 (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
D1316	8-719-991-33	DIODE 1SS133T-77 (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
D1317	8-719-991-33	DIODE 1SS133T-77 (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
D1318	8-719-991-33	DIODE 1SS133T-77 (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
D1319	8-719-991-33	DIODE 1SS133T-77 (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	

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REF NO.	PART NO.	DESCRIPTION	REMARK
D1320	8-719-991-33	DIODE 1SS133T-77 (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
D1321	8-719-991-33	DIODE 1SS133T-77 (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
D1322	8-719-923-74	DIODE MTZJ-T-77-11A (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
D1324	8-719-991-33	DIODE 1SS133T-77 (EXCEPT SSM- 14N1E, 14N1U, 20N1E, 20N1U)	
D1325	8-719-991-33	DIODE 1SS133T-77 (EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)	
D1326	8-719-991-33	DIODE 1SS133T-77 (EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)	
D1327	8-719-991-33	DIODE 1SS133T-77 (EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)	
D1328	8-719-991-33	DIODE 1SS133T-77 (EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)	
D1329	8-719-991-33	DIODE 1SS133T-77 (EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)	
D1330	8-719-991-33	DIODE 1SS133T-77 (EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)	
D1331	8-719-991-33	DIODE 1SS133T-77 (EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)	
D1332	8-719-991-33	DIODE 1SS133T-77 (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
D1333	8-719-991-33	DIODE 1SS133T-77 (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
		< IC >	
IC1301	8-759-984-96	IC BA7604N	
		< JACK >	
J1303	1-565-167-12	TERMINAL, S (WITH SW) 4P	
J1304	1-569-578-11	TERMINAL, S (WITH SW)	
J1319	1-565-167-12	TERMINAL, S (WITH SW) 4P (EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)	
		< TRANSISTOR >	
Q1302	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q1305	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q1308	8-729-119-78	TRANSISTOR 2SC2785-HFE (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
Q1309	8-729-119-78	TRANSISTOR 2SC2785-HFE (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
Q1310	8-729-119-78	TRANSISTOR 2SC2785-HFE (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
Q1311	8-729-119-76	TRANSISTOR 2SA1175-HFE (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
Q1312	8-729-119-78	TRANSISTOR 2SC2785-HFE (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
Q1313	8-729-119-78	TRANSISTOR 2SC2785-HFE (EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)	
Q1314	8-729-119-76	TRANSISTOR 2SA1175-HFE (EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)	
		< RESISTOR >	
R1303	1-216-009-00	METAL GLAZE 22 5% 1/10W	
R1304	1-214-702-00	METAL 75 1% 1/4W	
R1305	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R1307	1-214-702-00	METAL 75 1% 1/4W	
R1308	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
R1309	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1310	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1311	1-214-702-00	METAL 75 1% 1/4W	
R1312	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R1317	1-216-214-00	METAL GLAZE 4.7K 5% 1/8W	
R1318	1-216-268-00	METAL GLAZE 820K 5% 1/8W	
R1319	1-216-256-00	METAL GLAZE 270K 5% 1/8W	
R1320	1-216-246-00	METAL GLAZE 100K 5% 1/8W	
R1321	1-216-244-00	METAL GLAZE 82K 5% 1/8W	
R1331	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
R1332	1-216-073-00	METAL GLAZE 10K 5% 1/10W (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
R1333	1-216-073-00	METAL GLAZE 10K 5% 1/10W (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
R1335	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
R1336	1-216-073-00	METAL GLAZE 10K 5% 1/10W (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
R1337	1-216-073-00	METAL GLAZE 10K 5% 1/10W (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
R1338	1-216-009-00	METAL GLAZE 22 5% 1/10W (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
R1339	1-214-702-00	METAL 75 1% 1/4W (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
R1340	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
R1341	1-216-073-00	METAL GLAZE 10K 5% 1/10W (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
R1342	1-216-073-00	METAL GLAZE 10K 5% 1/10W (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
R1343	1-216-009-00	METAL GLAZE 22 5% 1/10W (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
R1344	1-214-702-00	METAL 75 1% 1/4W (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
R1345	1-216-009-00	METAL GLAZE 22 5% 1/10W (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
R1346	1-214-702-00	METAL 75 1% 1/4W (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
R1347	1-216-214-00	METAL GLAZE 4.7K 5% 1/8W (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
R1348	1-216-268-00	METAL GLAZE 820K 5% 1/8W (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
R1349	1-216-256-00	METAL GLAZE 270K 5% 1/8W (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
R1350	1-216-246-00	METAL GLAZE 100K 5% 1/8W (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
R1351	1-216-244-00	METAL GLAZE 82K 5% 1/8W (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
R1352	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
R1355	1-216-049-91	METAL GLAZE 1K 5% 1/10W (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
R1356	1-214-702-00	METAL 75 1% 1/4W (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
R1358	1-247-791-91	CARBON 22 5% 1/4W	
R1360	1-214-702-00	METAL 75 1% 1/4W (EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)	
R1361	1-216-009-00	METAL GLAZE 22 5% 1/10W (PVM-14N1A, 14N1E, 14N1MDE, 14N1U, 20N1A, 20N1E, 20N1U)	

Q A

REF NO.	PART NO.	DESCRIPTION	REMARK
R1361	1-247-791-91	CARBON 22 5% 1/4W	
		(PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
R1362	1-216-009-00	METAL GLAZE 22 5% 1/10W	
		(EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)	
R1363	1-214-702-00	METAL 75 1% 1/4W	
		(EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)	
R1364	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
		(EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)	
R1365	1-214-702-00	METAL 75 1% 1/4W	
		(EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)	
R1366	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
		(EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)	
R1368	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
		(EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)	
R1369	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
		(EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)	
R1370	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
		(EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)	
R1371	1-216-244-00	METAL GLAZE 82K 5% 1/8W	
		(EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)	
R1372	1-216-246-00	METAL GLAZE 100K 5% 1/8W	
		(EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)	
R1373	1-216-268-00	METAL GLAZE 820K 5% 1/8W	
		(EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)	
R1374	1-216-256-00	METAL GLAZE 270K 5% 1/8W	
		(EXCEPT SSM-14N1E, 14N1U,20N1E, 20N1U)	
R1375	1-216-214-00	METAL GLAZE 4.7K 5% 1/8W	
		(EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)	
R1376	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
		(PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	
R1378	1-216-009-00	METAL GLAZE 22 5% 1/10W	
		(PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	

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Serial No. 6000001 to 6000221 (PVM-14N1A)
Serial No. 6000001 to 6003699 (PVM-14N1E)
Serial No. 6000001 to 6003583 (PVM-14N1U)
Serial No. 6000001 to 6000096 (PVM-14N2A)
Serial No. 6000001 to 6002485 (PVM-14N2E)
Serial No. 6000001 to 6002319 (PVM-14N2U)
Serial No. 6000001 to 6002355 (SSM-14N1E)
Serial No. 6000001 to 6002571 (SSM-14N1U)
Serial No. 6000001 to 6000091 (PVM-20N1A)
Serial No. 6000001 to 6000923 (PVM-20N1E)
Serial No. 6000001 to 6001487 (PVM-20N1U)
Serial No. 6000001 to 6000048 (PVM-20N2A)
Serial No. 6000001 to 6000798 (PVM-20N2E)
Serial No. 6000001 to 6000847 (PVM-20N2U)
Serial No. 6000001 to 6001085 (SSM-20N1E)
Serial No. 6000001 to 6000967 (SSM-20N1U)

*A-1297-543-A A BOARD, COMPLETE (PVM-14N1A, 14N1E, 14N1U)
****
*A-1297-544-A A BOARD, COMPLETE (PVM-20N1A, 20N1E, 20N1U)
****
*A-1297-545-A A BOARD, COMPLETE (PVM-20N2A, 20N2E, 20N2U)
****
*A-1297-546-A A BOARD, COMPLETE (PVM-14N2A, 14N2E, 14N2U)
****
*A-1297-592-A A BOARD, COMPLETE (SSM-20N1E, 20N1U)
****
*A-1297-593-A A BOARD, COMPLETE (SSM-14N1E, 14N1U)
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REF NO.	PART NO.	DESCRIPTION			REMARK
	4-200-407-01	HOLDER, LED			
		<CAPACITOR>			
C001	1-163-009-11	CERAMIC CHIP	0.001µF	10% 50V	
C002	1-163-009-11	CERAMIC CHIP	0.001µF	10% 50V	
C003	1-163-009-11	CERAMIC CHIP	0.001µF	10% 50V	
C004	1-163-009-11	CERAMIC CHIP	0.001µF	10% 50V	
C006	1-163-009-11	CERAMIC CHIP	0.001µF	10% 50V	
		(PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)			
C007	1-163-009-11	CERAMIC CHIP	0.001µF	10% 50V	
C008	1-163-009-11	CERAMIC CHIP	0.001µF	10% 50V	
C010	1-101-004-00	CERAMIC	0.01µF	50V	
C011	1-163-097-00	CERAMIC CHIP	15PF	5% 50V	
C012	1-163-097-00	CERAMIC CHIP	15PF	5% 50V	
C013	1-163-235-11	CERAMIC CHIP	22PF	5% 50V	
C014	1-163-235-11	CERAMIC CHIP	22PF	5% 50V	
C017	1-164-232-11	CERAMIC CHIP	0.01µF	10% 50V	
C018	1-164-232-11	CERAMIC CHIP	0.01µF	10% 50V	
C019	1-126-964-11	ELECT	10µF	20% 50V	
C020	1-163-009-11	CERAMIC CHIP	0.001µF	10% 50V	
C021	1-164-232-11	CERAMIC CHIP	0.01µF	10% 50V	
C023	1-136-165-00	FILM	0.1µF	5% 50V	
C024	1-126-967-11	ELECT	47µF	20% 16V	
C025	1-163-117-00	CERAMIC CHIP	100PF	5% 50V	
C026	1-163-117-00	CERAMIC CHIP	100PF	5% 50V	
C027	1-163-117-00	CERAMIC CHIP	100PF	5% 50V	
C028	1-163-117-00	CERAMIC CHIP	100PF	5% 50V	
C101	1-126-233-11	ELECT	22µF	20% 25V	
C102	1-107-635-11	ELECT	4.7µF	20% 160V	
C103	1-102-050-00	CERAMIC	0.01µF	99% 500V	
C201	1-126-964-11	ELECT	10µF	20% 50V	
C202	1-126-964-11	ELECT	10µF	20% 50V	
C203	1-126-934-11	ELECT	220µF	20% 16V	
C204	1-126-964-11	ELECT	10µF	20% 50V	
C206	1-126-940-11	ELECT	330µF	20% 25V	
C207	1-163-017-00	CERAMIC CHIP	0.0047µF	10% 50V	
C304	1-164-232-11	CERAMIC CHIP	0.01µF	10% 50V	
C305	1-164-232-11	CERAMIC CHIP	0.01µF	10% 50V	
C306	1-164-232-11	CERAMIC CHIP	0.01µF	10% 50V	
C307	1-126-964-11	ELECT	10µF	20% 50V	
C308	1-163-809-11	CERAMIC CHIP	0.047µF	10% 25V	
C309	1-164-232-11	CERAMIC CHIP	0.01µF	10% 50V	
C310	1-164-232-11	CERAMIC CHIP	0.01µF	10% 50V	
C311	1-164-232-11	CERAMIC CHIP	0.01µF	10% 50V	
C312	1-126-964-11	ELECT	10µF	20% 50V	
C313	1-136-169-00	FILM	0.22µF	5% 50V	
C314	1-136-495-11	FILM	0.068µF	5% 50V	
C315	1-164-232-11	CERAMIC CHIP	0.01µF	10% 50V	
C316	1-126-111-11	ELECT	3.3µF	20% 50V	
C317	1-136-495-11	FILM	0.068µF	5% 50V	
C318	1-164-232-11	CERAMIC CHIP	0.01µF	10% 50V	
C319	1-164-232-11	CERAMIC CHIP	0.01µF	10% 50V	
C321	1-164-232-11	CERAMIC CHIP	0.01µF	10% 50V	
C322	1-164-232-11	CERAMIC CHIP	0.01µF	10% 50V	
C323	1-163-009-11	CERAMIC CHIP	0.001µF	10% 50V	
C324	1-163-117-00	CERAMIC CHIP	100PF	5% 50V	
C325	1-124-122-11	ELECT	100µF	20% 50V	
C327	1-163-105-00	CERAMIC CHIP	33PF	5% 50V	
C328	1-163-105-00	CERAMIC CHIP	33PF	5% 50V	

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REF NO.		PART NO.	DESCRIPTION				REMARK
C351		1-126-964-11	ELECT	10µF	20%	50V	
C352		1-163-005-11	CERAMIC CHIP	470PF	10%	50V	
C353		1-163-005-11	CERAMIC CHIP	470PF	10%	50V	
C354		1-163-005-11	CERAMIC CHIP	470PF	10%	50V	
C355		1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C356		1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C357		1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C358		1-126-964-11	ELECT	10µF	20%	50V	
C359		1-164-232-11	CERAMIC CHIP	0.01µF	10%	50V	
C360		1-163-113-00	CERAMIC CHIP	68PF	5%	50V	
C361		1-163-113-00	CERAMIC CHIP	68PF	5%	50V	
C362		1-163-113-00	CERAMIC CHIP	68PF	5%	50V	
C363		1-163-101-00	CERAMIC CHIP	22PF	5%	50V	
C364		1-163-101-00	CERAMIC CHIP	22PF	5%	50V	
C365		1-163-101-00	CERAMIC CHIP	22PF	5%	50V	
C367		1-163-007-11	CERAMIC CHIP	680PF	10%	50V	
C368		1-102-121-00	CERAMIC	0.0022µF	10%	50V	
			(PVM-14N1A, 14N1E, 14N1U, 14N2A, 14N2E, 14N2U/ SSM-14N1E, 14N1U)				
C368		1-102-824-00	CERAMIC	470PF	5%	50V	
			(PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/ SSM-20N1E, 20N1U)				
C369		1-102-121-00	CERAMIC	0.0022µF	10%	50V	
			(PVM-14N1A, 14N1E, 14N1U, 14N2A, 14N2E, 14N2U/ SSM-14N1E, 14N1U)				
C369		1-102-824-00	CERAMIC	470PF	5%	50V	
			(PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/ SSM-20N1E, 20N1U)				
C370		1-102-121-00	CERAMIC	0.0022µF	10%	50V	
			(PVM-14N1A, 14N1E, 14N1U, 14N2A, 14N2E, 14N2U/ SSM-14N1E, 14N1U)				
C370		1-102-824-00	CERAMIC	470PF	5%	50V	
			(PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/ SSM-20N1E, 20N1U)				
C371		1-101-004-00	CERAMIC	0.01µF		50V	
C372		1-124-667-11	ELECT	10µF	20%	50V	
C373		1-124-667-11	ELECT	10µF	20%	50V	
C402		1-126-964-11	ELECT	10µF	20%	50V	
			(EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)				
C403		1-136-155-00	FILM	0.015µF	5%	50V	
C404		1-136-155-00	FILM	0.015µF	5%	50V	
C405		1-136-155-00	FILM	0.015µF	5%	50V	
C407		1-126-964-11	ELECT	10µF	20%	50V	
			(EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)				
C409		1-126-964-11	ELECT	10µF	20%	50V	
			(EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)				
C410		1-164-232-11	CERAMIC CHIP	0.01µF	10%	50V	
			(EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)				
C411		1-164-232-11	CERAMIC CHIP	0.01µF	10%	50V	
			(EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)				
C412		1-126-964-11	ELECT	10µF	20%	50V	
			(EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)				
C413		1-136-175-00	FILM	0.68µF	5%	50V	
			(PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)				
C414		1-163-121-00	CERAMIC CHIP	150PF	5%	50V	
			(PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)				
C415		1-164-232-11	CERAMIC CHIP	0.01µF	10%	50V	
C416		1-164-232-11	CERAMIC CHIP	0.01µF	10%	50V	
C417		1-164-232-11	CERAMIC CHIP	0.01µF	10%	50V	
C453		1-136-175-00	FILM	0.68µF	5%	50V	
C454		1-136-175-00	FILM	0.68µF	5%	50V	
C500		1-123-024-21	ELECT	33µF		160V	
C501	⚠		FILM		3%	2KV	
			(PVM-14N1A, 14N1E, 14N1U, 14N2A, 14N2E, 14N2U/ SSM-14N1E, 14N1U)				
C501	⚠		FILM		3%	2KV	
			(PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/ SSM-20N1E, 20N1U)				
C502	⚠		FILM		10%	630V	
			(PVM-14N1A, 14N1E, 14N1U, 14N2A, 14N2E, 14N2U/ SSM-14N1E, 14N1U)				
C502	⚠		FILM		5%	400V	
			(PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/ SSM-20N1E, 20N1U)				
C503	⚠		CERAMIC		10%	2KV	
C504	⚠		CERAMIC		10%	2KV	
C505		1-130-489-00	FILM	0.033µF	5%	50V	
C506		1-136-541-11	FILM	1.5µF	5%	200V	
C507		1-136-113-00	FILM	2µF	5%	200V	
C508		1-102-228-00	CERAMIC	470PF	10%	500V	
C509		1-126-772-11	ELECT	1µF	20%	250V	
C510		1-136-103-00	FILM	0.1µF	5%	200V	
			(PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)				
C511		1-106-371-00	MYLAR	0.015µF	99%	200V	
C512		1-102-228-00	CERAMIC	470PF	10%	500V	
C514		1-107-924-11	ELECT	0.47µF	20%	50V	
C516		1-126-941-11	ELECT	470µF	20%	25V	
C518		1-126-941-11	ELECT	470µF	20%	25V	
C522		1-107-638-11	ELECT	33µF	20%	160V	
C523		1-162-114-00	CERAMIC	0.0047µF		2KV	
C551		1-104-788-11	ELECT	100µF	20%	35V	
C552		1-137-401-11	FILM	0.22µF	10%	100V	
C553		1-124-927-11	ELECT	4.7µF	20%	50V	
C554		1-163-009-11	CERAMIC CHIP	0.001µF	10%	50V	
C555		1-124-667-11	ELECT	10µF	20%	50V	
C556		1-124-667-11	ELECT	10µF	20%	50V	
C601	⚠	1-107-564-11	FILM	0.22µF	20%	300V	
C602	⚠	1-107-564-11	FILM	0.22µF	20%	300V	
C603	⚠	1-161-953-51	CERAMIC	0.0047µF	20%	400V	
C604	⚠	1-161-953-51	CERAMIC	0.0047µF	20%	400V	
C605	⚠	1-161-953-51	CERAMIC	0.0047µF	20%	400V	
C606	⚠	1-161-953-51	CERAMIC	0.0047µF	20%	400V	
C607		1-113-608-11	ELECT(SOLID)	470µF	20%	400V	
C609		1-136-064-00	FILM	0.002µF	3%	2KV	
C610		1-126-970-11	ELECT	330µF	20%	50V	
C611		1-164-161-11	CERAMIC CHIP	0.0022µF	10%	50V	
C612		1-126-969-11	ELECT	220µF	20%	50V	
C613		1-137-484-11	FILM	0.47µF	10%	630V	
C615	⚠	1-107-564-11	FILM	0.22µF	20%	300V	
C616	⚠	1-162-577-81	CERAMIC	0.0022µF	20%	400V	
C617	⚠	1-162-577-81	CERAMIC	0.0022µF	20%	400V	
C618	⚠	1-162-577-81	CERAMIC	0.0022µF	20%	400V	
C619	⚠	1-162-577-81	CERAMIC	0.0022µF	20%	400V	
C651		1-125-494-11	ELECT(BLOCK)	560µF	20%	160V	
C653		1-107-891-11	ELECT	3300µF	20%	50V	
C654		1-107-364-11	FILM	0.01µF	10%	200V	
C655		1-126-964-11	ELECT	10µF	20%	50V	
C656		1-124-667-11	ELECT	10µF	20%	50V	
C671		1-124-667-11	ELECT	10µF	20%	50V	

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REF NO.	PART NO.	DESCRIPTION	REMARK
		< CONNECTOR >	
CN052	*1-564-508-11	PLUG, CONNECTOR 5P	
CN053	1-766-922-11	CONNECTOR, BOARD TO BOARD 18P	
CN201	*1-564-506-11	PLUG, CONNECTOR 3P	
CN351	*1-564-509-11	PLUG, CONNECTOR 6P	
CN401	*1-564-509-11	PLUG, CONNECTOR 6P	
CN402	*1-564-510-11	PLUG, CONNECTOR 7P (EXCEPT SSM-14N1E, 14N1U,20N1E, 20N1U)	
CN501	*1-580-798-11	CONNECTOR PIN (DY) 6P	
CN502	*1-508-768-00	PIN, CONNECTOR (5MM PITCH) 6P	
CN601	*1-580-843-11	PIN, CONNECTOR (POWER)	
CN602	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P	
CN603	1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P	
		< DIODE >	
D001	8-719-991-33	DIODE 1SS133T-77	
D002	8-719-991-33	DIODE 1SS133T-77	
D101	8-719-991-33	DIODE 1SS133T-77	
D102	8-719-983-38	DIODE MTZJ-T-77-36B	
D103	8-719-302-43	DIODE EL1Z	
D201	8-719-947-26	DIODE MTZJ-T-72-6.2C	
D301	8-719-991-33	DIODE 1SS133T-77	
D302	8-719-991-33	DIODE 1SS133T-77	
D303	8-719-991-33	DIODE 1SS133T-77	
D304	8-719-914-43	DIODE DAN202K-T-146	
D501	8-719-945-80	DIODE ERC06-15S	
D502	8-719-979-85	DIODE EGP20G	
D503	8-719-908-03	DIODE GP08D	
D504	8-719-908-03	DIODE GP08D	
D505	8-719-109-85	DIODE RD5.1ESB2	
D506	8-719-302-43	DIODE EL1Z	
D507	8-719-302-43	DIODE EL1Z	
D508	8-719-302-43	DIODE EL1Z	
D509	8-719-028-72	DIODE RGP02-17EL-6433	
D551	8-719-908-03	DIODE GP08D	
D552	8-719-109-85	DIODE RD5.1ESB2	
D601 ⚠	8-719-025-88	DIODE GBU4JL-6088	
	4-382-854-11	SCREW (M3X10), P, SW (+); D601	
D605	8-719-302-43	DIODE EL1Z	
D606	8-719-921-63	DIODE MTZJ-7.5B	
D607	8-719-302-43	DIODE EL1Z	
D609	8-719-302-43	DIODE EL1Z	
D610	8-719-302-43	DIODE EL1Z	
D611	8-719-991-33	DIODE 1SS133T-77	
D651	8-719-301-64	DIODE RU4DS	
D653	8-719-045-48	DIODE FML-G12S	
D656	8-719-046-66	DIODE SLR-56MC3F (POWER)	
		< FUSE >	
F601 ⚠	1-532-746-11	FUSE, GLASS TUBE (4A/125V) (PVM-14N1U, 14N2U, 20N1U, 20N2U/ SSM-14N1U,20N1U)	
F601 ⚠	1-576-231-21	FUSE (T.B.C.) (4A/250V) (PVM-14N1A, 14N1E, 14N2A, 14N2E, 20N1A, 20N1E, 20N2A, 20N2E/SSM-14N1E, 20N1E)	
	1-533-223-11	HOLDER, FUSE; F601	
F651 ⚠	1-532-595-00	FUSE, GLASS TUBE (3.15A/125V)	
	1-533-233-11	HOLDER , FUSE; F651	

REF NO.	PART NO.	DESCRIPTION	REMARK
		< FERRITE BEAD >	
FB001	1-410-397-21	FERRITE BEAD INDUCTOR	1.1µH
FB301	1-410-397-21	FERRITE BEAD INDUCTOR	1.1µH
FB601	1-410-396-41	FERRITE BEAD INDUCTOR	0.45µH
FB602	1-410-396-41	FERRITE BEAD INDUCTOR	0.45µH
FB603	1-410-396-41	FERRITE BEAD INDUCTOR	0.45µH
		< FILTER >	
FL301	1-233-462-11	FILTER, LOW PASS	
FL302	1-233-462-11	FILTER, LOW PASS	
		< IC >	
IC001	8-752-872-61	IC CXP85220A-027S	
	1-540-044-11	SOCKET, IC; IC001	
IC002	8-759-370-33	IC ST24C04FB6	
IC003	8-759-279-41	IC MM1096BD	
IC201	8-759-324-57	IC TDA7052A	
IC301	8-759-324-58	IC VDP3108	
IC401	8-759-000-48	IC MC14052BCP (EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)	
IC402	8-759-046-77	IC BA7602 (EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)	
IC551	8-759-192-71	IC STV9379	
	4-201-023-01	SPACER, INSULATING; IC551	
	4-202-373-01	SPRING, IC; IC551	
IC552	8-759-145-58	ICµPC4558C	
IC601	8-749-010-84	IC STR-S6708	
	4-382-854-11	SCREW (M3X10), P, SW (+); IC601	
IC651	8-749-921-89	IC SE115N	
IC652	8-759-231-53	IC TA7805S	
IC653	8-759-231-53	IC TA7805S	
IC654	8-759-701-59	IC NJM78M09FA	
	4-382-854-11	SCREW (M3X10), P, SW (+); IC654	
		< CHIP CONDUCTOR >	
JR1	1-216-295-91	CONDUCTOR, CHIP(2012)	
JR2	1-216-295-91	CONDUCTOR, CHIP(2012)	
JR3	1-216-295-91	CONDUCTOR, CHIP(2012)	
JR4	1-216-295-91	CONDUCTOR, CHIP(2012)	
JR5	1-216-295-91	CONDUCTOR, CHIP(2012)	
JR6	1-216-295-91	CONDUCTOR, CHIP(2012)	
JR7	1-216-295-91	CONDUCTOR, CHIP(2012)	
JR8	1-216-295-91	CONDUCTOR, CHIP(2012)	
JR9	1-216-295-91	CONDUCTOR, CHIP(2012)	
JR10	1-216-295-91	CONDUCTOR, CHIP(2012)	
JR11	1-216-295-91	CONDUCTOR, CHIP(2012)	
JR12	1-216-295-91	CONDUCTOR, CHIP(2012)	
JR13	1-216-295-91	CONDUCTOR, CHIP(2012)	
JR14	1-216-295-91	CONDUCTOR, CHIP(2012)	
JR124	1-216-295-91	CONDUCTOR, CHIP(2012)	
JR125	1-216-295-91	CONDUCTOR, CHIP(2012)	
JR451	1-216-295-91	CONDUCTOR, CHIP (2012) (PVM-14N1A, 14N1E, 14N1U, 20N1A, 20N1E, 20N1U/ SSM-14N1E, 14N1U, 20N1E, 20N1U)	
		< COIL >	
L001	1-408-418-00	INDUCTOR 56µH	
L101	1-421-465-00	COIL, FERRITE CHOKE 68µH	
L501	1-421-465-00	COIL, FERRITE CHOKE 68µH	

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REF NO.	PART NO.	DESCRIPTION	REMARK
L502	1-459-105-21	COIL(WITH CORE)	
L503	1-412-553-11	INDUCTOR 3.3mmH	
L504	1-459-104-00	COIL, WITH CORE	
L505	1-459-760-13	COIL, HORIZONTAL LINEARITY (PVM-14N1A, 14N1E, 14N1U, 14N2A, 14N2E, 14N2U/ SSM-14N1E, 14N1U)	
L505	1-459-769-13	COIL, HORIZONTAL LINEARITY (PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/ SSM-20N1E, 20N1U)	
L510	1-407-365-00	COIL,CHOKE	
L551	1-459-104-00	COIL, WITH CORE	
L601	1-411-541-11	COIL, CHOKE 7.2mmH	
		< PHOTO COUPLER >	
PH601	8-749-923-50	PHOTO COUPLER PC111YS	
		< TRANSISTOR >	
Q004	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q005	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q101	8-729-200-17	TRANSISTOR 2SA1091-O	
Q102	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q201	8-729-019-01	TRANSISTOR 2SD2394-EF	
Q301	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q302	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q351	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q352	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q353	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q354	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q355	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q356	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q357	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q358	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q359	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q360	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q361	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q362	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q501	8-729-810-49	TRANSISTOR 2SD1877S-SONY-CA (PVM-14N1A, 14N1E, 14N1U, 14N2A, 14N2E, 14N2U/SSM-14N1E, 14N1U)	
Q501	8-729-821-87	TRANSISTOR 2SD1878-CA (PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)	
	4-382-854-11	SCREW (M3X10), P, SW (+); Q501	
Q502	8-729-140-96	TRANSISTOR 2SD774-34	
Q551	8-729-019-01	TRANSISTOR 2SD2394-EF	
	4-201-023-01	SPACER, INSULATING; Q551	
	4-202-373-01	SPRING, IC; Q551	
Q601	8-729-025-04	TRANSISTOR 2SC3852A	
		< RESISTOR >	
R001	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R002	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R003	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R004	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R005	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R007	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R012	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R013	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R014	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R015	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R016	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R017	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R022	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R023	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R024	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R027	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R028	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R029	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R035	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R036	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R053	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R054	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R055	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R056	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R057	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R058	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R059	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R101	1-216-391-11	METAL OXIDE 1.5 5% 3W (PVM-14N1A, 14N1E, 14N1U, 14N2A, 14N2E, 14N2U/ SSM-14N1E, 14N1U)	F
R101	1-216-390-11	METAL OXIDE 1.2 5% 3W (PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)	F
R102	1-216-667-11	METAL CHIP 4.7K 0.50% 1/10W	
R103	1-216-115-00	METAL GLAZE 560K 5% 1/10W	
R104	1-218-754-11	METAL CHIP 120K 0.50% 1/10W	
R105	1-218-756-11	METAL CHIP 150K 0.50% 1/10W	
R106	1-216-097-91	METAL GLAZE 100K 5% 1/10W	
R107	1-216-097-91	METAL GLAZE 100K 5% 1/10W	
R108	1-208-814-11	METAL CHIP 22K 0.5% 1/10W (PVM-14N1A, 14N1E, 14N1U, 14N2A, 14N2E, 14N2U/SSM-14N1E, 14N1U)	
R108	1-216-682-11	METAL CHIP 20K 0.50% 1/10W (PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)	
R110	1-208-824-11	METAL CHIP 56K 0.50% 1/10W (PVM-14N1A, 14N1E, 14N1U, 14N2A, 14N2E, 14N2U/SSM-14N1E, 14N1U)	
R110	1-216-695-11	METAL CHIP 68K 0.5% 1/10W (PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)	
R112	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R201	1-216-093-00	METAL GLAZE 68K 5% 1/10W	
R202	1-216-069-00	METAL GLAZE 6.8K 5% 1/10W	
R203	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R204	1-215-907-11	METAL OXIDE 22 5% 3W	F
R205	1-216-056-00	METAL GLAZE 2K 5% 1/10W	
R207	1-216-055-00	METAL GLAZE 1.8K 5% 1/10W	
R208	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R209	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R301	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R302	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R303	1-216-055-00	METAL GLAZE 1.8K 5% 1/10W	
R304	1-202-826-00	SOLID 4.7K 10% 1/2W	
R305	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R306	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R307	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R308	1-216-001-00	METAL GLAZE 10 5% 1/10W	

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REF NO.	PART NO.	DESCRIPTION				REMARK
R311	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R312	1-216-295-91	CONDUCTOR, CHIP(2012)				
R313	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R315	1-216-085-00	METAL GLAZE	33K	5%	1/10W	
R316	1-216-043-91	METAL GLAZE	560	5%	1/10W	
R318	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R319	1-216-049-91	METAL GLAZE	1K	5%	1/10W	
R320	1-216-049-91	METAL GLAZE	1K	5%	1/10W	
R321	1-216-049-91	METAL GLAZE	1K	5%	1/10W	
R322	1-216-049-91	METAL GLAZE	1K	5%	1/10W	
R323	1-216-049-91	METAL GLAZE	1K	5%	1/10W	
R324	1-216-049-91	METAL GLAZE	1K	5%	1/10W	
R325	1-216-049-91	METAL GLAZE	1K	5%	1/10W	
R351	1-216-041-00	METAL GLAZE	470	5%	1/10W	
		(PVM-14N1A, 14N1E, 14N1U, 14N2A, 14N2E, 14N2U/SSM-14N1E, 14N1U)				
R351	1-216-045-00	METAL GLAZE	680	5%	1/10W	
		(PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)				
R352	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W	
		(PVM-14N1A, 14N1E, 14N1U, 14N2A, 14N2E, 14N2U/SSM-14N1E, 14N1U)				
R353	1-216-043-91	METAL GLAZE	560	5%	1/10W	
R354	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W	
R355	1-216-049-91	METAL GLAZE	1K	5%	1/10W	
R357	1-216-035-00	METAL GLAZE	270	5%	1/10W	
R358	1-216-001-00	METAL GLAZE	10	5%	1/10W	
R360	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W	
		(PVM-14N1A, 14N1E, 14N1U, 14N2A, 14N2E, 14N2U/SSM-14N1E, 14N1U)				
R361	1-216-041-00	METAL GLAZE	470	5%	1/10W	
		(PVM-14N1A, 14N1E, 14N1U, 14N2A, 14N2E, 14N2U/SSM-14N1E, 14N1U)				
R361	1-216-045-00	METAL GLAZE	680	5%	1/10W	
		(PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)				
R362	1-216-043-91	METAL GLAZE	560	5%	1/10W	
R363	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W	
R364	1-216-049-91	METAL GLAZE	1K	5%	1/10W	
R366	1-216-035-00	METAL GLAZE	270	5%	1/10W	
R367	1-216-001-00	METAL GLAZE	10	5%	1/10W	
R369	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W	
		(PVM-14N1A, 14N1E, 14N1U, 14N2A, 14N2E, 14N2U/SSM-14N1E, 14N1U)				
R370	1-216-041-00	METAL GLAZE	470	5%	1/10W	
		(PVM-14N1A, 14N1E, 14N1U, 14N2A, 14N2E, 14N2U/SSM-14N1E, 14N1U)				
R370	1-216-045-00	METAL GLAZE	680	5%	1/10W	
		(PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)				
R371	1-216-043-91	METAL GLAZE	560	5%	1/10W	
R372	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W	
R373	1-216-049-91	METAL GLAZE	1K	5%	1/10W	
R375	1-216-035-00	METAL GLAZE	270	5%	1/10W	
R376	1-216-001-00	METAL GLAZE	10	5%	1/10W	
R378	1-216-001-00	METAL GLAZE	10	5%	1/10W	
R379	1-216-001-00	METAL GLAZE	10	5%	1/10W	
R380	1-216-001-00	METAL GLAZE	10	5%	1/10W	
R401	1-216-041-00	METAL GLAZE	470	5%	1/10W	
		(PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)				
R402	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R501	1-216-025-91	METAL GLAZE	100	5%	1/10W	
R502	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R503	1-215-895-11	METAL OXIDE	3.3K	5%	2W	F
		(PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)				
R503	1-215-896-00	METAL OXIDE	4.7K	5%	2W	F
		(PVM-14N1A, 14N1E, 14N1U, 14N2A, 14N2E, 14N2U/SSM-14N1E, 14N1U)				
R506	1-260-326-11	CARBON	680	5%	1/2W	
R507	1-215-864-00	METAL OXIDE	150	5%	1W	F
R508	1-215-859-11	METAL OXIDE	22	5%	2W	F
		(PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)				
R508	1-216-423-11	METAL OXIDE	27	5%	1W	F
		(PVM-14N1A, 14N1E, 14N1U, 14N2A, 14N2E, 14N2U/SSM-14N1E, 14N1U)				
R509	1-216-049-91	METAL GLAZE	1K	5%	1/10W	
R513	1-247-887-00	CARBON	220K	5%	1/4W	
R514	1-249-419-11	METAL OXIDE	1.5K	5%	1/4W	F
R551	1-216-429-00	METAL OXIDE	270	5%	1W	F
R552	1-216-349-00	METAL OXIDE	1	5%	1W	F
R553	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R554	1-216-079-00	METAL GLAZE	18K	5%	1/10W	
R555	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R556	1-216-351-00	METAL OXIDE	1.5	5%	1W	F
R557	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	
R558	1-216-031-00	METAL GLAZE	180	5%	1/10W	
R559	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R560	1-216-689-11	METAL GLAZE	39K	5%	1/10W	
R561	1-249-392-11	CARBON	8.2	5%	1/4W	F
R562	1-216-295-91	CONDUCTOR, CHIP(2012)				
R564	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R565	1-216-049-91	METAL GLAZE	1K	5%	1/10W	
R566	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R570	1-216-422-11	METAL OXIDE	18	5%	1W	F
		(PVM-14N1A, 14N1E, 14N1U, 14N2A, 14N2E, 14N2U/SSM-14N1E, 14N1U)				
R570	1-216-423-11	METAL OXIDE	27	5%	1W	F
		(PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)				
R601 ⚠	1-202-885-91	SOLID	1M	20%	1/2W	
R602	1-216-490-11	METAL OXIDE	39K	5%	3W	F
R604	1-215-877-11	METAL OXIDE	22K	5%	1W	F
R605	1-215-869-11	METAL OXIDE	1K	5%	1W	F
R606	1-249-421-11	CARBON	2.2K	5%	1/4W	
R607	1-249-417-11	CARBON	1K	5%	1/4W	
R608	1-217-241-00	WIREWOUND	0.22	10%	3W	F
R609	1-247-807-31	CARBON	100	5%	1/4W	
R610	1-216-470-00	METAL OXIDE	18	5%	3W	F
R611	1-249-417-11	CARBON	1K	5%	1/4W	
R612 ⚠	1-205-998-11	WIREWOUND	1	5%	10W	
R613	1-249-426-11	CARBON	5.6K	5%	1/4W	
R614 ⚠	1-202-725-91	SOLID	3.3M	10%	1/2W	
R615 ⚠	1-202-725-91	SOLID	3.3M	10%	1/2W	
R616 ⚠	1-205-998-11	WIREWOUND	1	5%	10W	
R622	1-249-424-11	CARBON	3.9K	5%	1/4W	
R623	1-216-490-11	METAL OXIDE	39K	5%	3W	F
R657	1-249-417-11	CARBON	1K	5%	1/4W	

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REF NO.	PART NO.	DESCRIPTION				REMARK
R604	1-215-877-11	METAL OXIDE	22K	5%	1W	F
R605	1-215-869-11	METAL OXIDE	1K	5%	1W	F
R606	1-249-421-11	CARBON	2.2K	5%	1/4W	
R607	1-249-417-11	CARBON	1K	5%	1/4W	
R608	1-217-241-00	WIREWOUND	0.22	10%	3W	F
R609	1-247-807-31	CARBON	100	5%	1/4W	
R610	1-216-470-00	METAL OXIDE	18	5%	3W	F
R611	1-249-417-11	CARBON	1K	5%	1/4W	
R612 ⚠	1-205-998-11	WIREWOUND	1	5%	10W	
R613	1-249-426-11	CARBON	5.6K	5%	1/4W	
R614 ⚠	1-202-725-91	SOLID	3.3M	10%	1/2W	
R615 ⚠	1-202-725-91	SOLID	3.3M	10%	1/2W	
R616 ⚠	1-205-998-11	WIREWOUND	1	5%	10W	
R622	1-249-424-11	CARBON	3.9K	5%	1/4W	
R623	1-216-490-11	METAL OXIDE	39K	5%	3W	F
R657	1-249-417-11	CARBON	1K	5%	1/4W	
R658	1-212-954-11	FUSIBLE	6.8	5%	1/2W	F
R1201	1-215-907-11	METAL OXIDE	22	5%	3W	F
		< SWITCH >				
S001	1-571-532-21	SWITCH, TACTIL				
S002	1-571-532-21	SWITCH, TACTIL				
S003	1-571-532-21	SWITCH, TACTIL				
S004	1-571-532-21	SWITCH, TACTIL				
S006	1-571-532-21	SWITCH, TACTIL (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)				
S007	1-571-532-21	SWITCH, TACTIL				
S008	1-571-532-21	SWITCH, TACTIL				
S501	1-554-186-00	SWITCH, LEVER				
S601 ⚠	1-571-433-21	SWITCH, PUSH (AC POWER) (POWER)				
		< SPARK GAP >				
SG501	1-519-422-11	GAP, SPARK				
		< TRANSFORMER >				
T501 ⚠	1-453-201-11	TRANSFORMER ASSY, FLYBACK (NX-2610) (PVM-14N1A, 14N1E, 14N1U, 14N2A, 14N2E, 14N2U/SSM-14N1E, 14N1U)				
T501 ⚠	1-453-202-11	TRANSFORMER ASSY, FLYBACK (NX-2611) (PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)				
T502	1-437-090-31	HDT				
T601 ⚠	1-429-265-11	TRANSFORMER, CONVERTER (SRT)				
T603 ⚠	1-429-482-11	TRANSFORMER, LINE FILTER (LFT)				
		< THERMISTOR >				
THP601 ⚠	1-808-059-32	THERMISTOR, POSITIVE				
		< CRYSTAL >				
X001	1-567-781-11	VIBRATOR, CRYSTAL (4MHz)				
X301	1-760-878-11	VIBRATOR, CRYSTAL (20.25MHz)				

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Serial No. 6000222 and Higher (PVM-14N1A)
Serial No. 6003700 and Higher (PVM-14N1E)
Serial No. 6000001 and Higher (PVM-14N1MDE)
Serial No. 6003584 and Higher (PVM-14N1U)
Serial No. 6000097 and Higher (PVM-14N2A)
Serial No. 6002486 and Higher (PVM-14N2E)
Serial No. 6002320 and Higher (PVM-14N2U)
Serial No. 6002356 and Higher (SSM-14N1E)
Serial No. 6002572 and Higher (SSM-14N1U)
Serial No. 6000092 and Higher (PVM-20N1A)
Serial No. 6000924 and Higher (PVM-20N1E)
Serial No. 6001488 and Higher (PVM-20N1U)
Serial No. 6000049 and Higher (PVM-20N2A)
Serial No. 6000799 and Higher (PVM-20N2E)
Serial No. 6000848 and Higher (PVM-20N2U)
Serial No. 6001086 and Higher (SSM-20N1E)
Serial No. 6000968 and Higher (SSM-20N1U)

REF NO.	PART NO.	DESCRIPTION				REMARK
*A-1297-543-B		A BOARD, COMPLETE (PVM-14N1A, 14N1E, 14N1U) **********				
*A-1297-544-B		A BOARD, COMPLETE (PVM-20N1A, 20N1E, 20N1U) **********				
*A-1297-545-B		A BOARD, COMPLETE (PVM-20N2A, 20N2E, 20N2U) **********				
*A-1297-546-B		A BOARD, COMPLETE (PVM-14N2A, 14N2E, 14N2U) **********				
*A-1297-592-B		A BOARD, COMPLETE (SSM-20N1E, 20N1U) **********				
*A-1297-593-B		A BOARD, COMPLETE (SSM-14N1E, 14N1U) **********				
*A-1298-039-A		A BOARD, COMPLETE (PVM-14N1MDE) **********				
	4-200-407-01	HOLDER, LED				
		<CAPACITOR>				
C001	1-163-009-11	CERAMIC CHIP	0.001µF	10%	50V	
C002	1-163-009-11	CERAMIC CHIP	0.001µF	10%	50V	
C003	1-163-009-11	CERAMIC CHIP	0.001µF	10%	50V	
C004	1-163-009-11	CERAMIC CHIP	0.001µF	10%	50V	
C006	1-163-009-11	CERAMIC CHIP (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	0.001µF	10%	50V	
C007	1-163-009-11	CERAMIC CHIP	0.001µF	10%	50V	
C008	1-163-009-11	CERAMIC CHIP	0.001µF	10%	50V	
C010	1-101-004-00	CERAMIC	0.01µF		50V	
C011	1-163-231-11	CERAMIC CHIP	15PF	5%	50V	
C012	1-163-231-11	CERAMIC CHIP	15PF	5%	50V	
C013	1-163-235-11	CERAMIC CHIP	22PF	5%	50V	
C014	1-163-235-11	CERAMIC CHIP	22PF	5%	50V	
C017	1-164-232-11	CERAMIC CHIP	0.01µF	10%	50V	
C018	1-164-232-11	CERAMIC CHIP	0.01µF	10%	50V	
C019	1-126-964-11	ELECT	10µF	20%	50V	
C020	1-163-009-11	CERAMIC CHIP	0.001µF	10%	50V	
C021	1-164-232-11	CERAMIC CHIP	0.01µF	10%	50V	
C023	1-136-165-00	FILM	0.1µF	5%	50V	
C024	1-126-967-11	ELECT	47µF	20%	16V	
C025	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C026	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C027	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C028	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C101	1-107-907-11	ELECT	22µF	20%	50V	
C102	1-107-635-11	ELECT	4.7µF	20%	160V	

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REF NO.	PART NO.	DESCRIPTION				REMARK
C103	1-102-050-00	CERAMIC	0.01μF	99%	500V	
C201	1-126-964-11	ELECT	10μF	20%	50V	
C202	1-126-964-11	ELECT	10μF	20%	50V	
C203	1-126-934-11	ELECT	220μF	20%	16V	
C204	1-126-964-11	ELECT	10μF	20%	50V	
C206	1-126-940-11	ELECT	330μF	20%	25V	
C207	1-163-017-00	CERAMIC CHIP	0.0047μF	10%	50V	
C304	1-164-232-11	CERAMIC CHIP	0.01μF	10%	50V	
C305	1-164-232-11	CERAMIC CHIP	0.01μF	10%	50V	
C306	1-164-232-11	CERAMIC CHIP	0.01μF	10%	50V	
C307	1-126-964-11	ELECT	10μF	20%	50V	
C308	1-163-809-11	CERAMIC CHIP	0.047μF	10%	25V	
C309	1-164-232-11	CERAMIC CHIP	0.01μF	10%	50V	
C310	1-164-232-11	CERAMIC CHIP	0.01μF	10%	50V	
C311	1-164-232-11	CERAMIC CHIP	0.01μF	10%	50V	
C312	1-126-964-11	ELECT	10μF	20%	50V	
C313	1-136-169-00	FILM	0.22μF	5%	50V	
C314	1-136-495-11	FILM	0.068μF	5%	50V	
C315	1-164-232-11	CERAMIC CHIP	0.01μF	10%	50V	
C316	1-126-933-11	ELECT	100μF	20%	16V	
C317	1-136-495-11	FILM	0.068μF	5%	50V	
C318	1-164-232-11	CERAMIC CHIP	0.01μF	10%	50V	
C319	1-164-232-11	CERAMIC CHIP	0.01μF	10%	50V	
C321	1-164-232-11	CERAMIC CHIP	0.01μF	10%	50V	
C322	1-164-232-11	CERAMIC CHIP	0.01μF	10%	50V	
C323	1-163-009-11	CERAMIC CHIP	0.001μF	10%	50V	
C324	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C325	1-126-968-11	ELECT	100μF	20%	50V	
C327	1-163-105-00	CERAMIC CHIP	33PF	5%	50V	
C328	1-163-105-00	CERAMIC CHIP	33PF	5%	50V	
C329	1-163-105-00	CERAMIC CHIP	33PF	5%	50V	
C330	1-126-959-11	ELECT	0.47μF	20%	50V	
C351	1-126-964-11	ELECT	10μF	20%	50V	
C352	1-163-005-11	CERAMIC CHIP	470PF	10%	50V	
C353	1-163-005-11	CERAMIC CHIP	470PF	10%	50V	
C354	1-163-005-11	CERAMIC CHIP	470PF	10%	50V	
C355	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C356	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C357	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C358	1-126-964-11	ELECT	10μF	20%	50V	
C359	1-164-232-11	CERAMIC CHIP	0.01μF	10%	50V	
C360	1-163-113-00	CERAMIC CHIP	68PF	5%	50V	
C361	1-163-113-00	CERAMIC CHIP	68PF	5%	50V	
C362	1-163-113-00	CERAMIC CHIP	68PF	5%	50V	
C363	1-163-101-00	CERAMIC CHIP	22PF	5%	50V	
C364	1-163-101-00	CERAMIC CHIP	22PF	5%	50V	
C365	1-163-101-00	CERAMIC CHIP	22PF	5%	50V	
C367	1-163-007-11	CERAMIC CHIP	680PF	10%	50V	
C368	1-102-121-00	CERAMIC	0.0022μF	10%	50V	
		(PVM-14N1A, 14N1E, 14N1MDE, 14N1U, 14N2A, 14N2E, 14N2U/SSM-14N1E, 14N1U)				
C368	1-102-824-00	CERAMIC	470PF	5%	50V	
		(PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)				
C369	1-102-121-00	CERAMIC	0.0022μF	10%	50V	
		(PVM-14N1A, 14N1E, 14N1MDE, 14N1U, 14N2A, 14N2E, 14N2U/SSM-14N1E, 14N1U)				
C369	1-102-824-00	CERAMIC	470PF	5%	50V	
		(PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)				
C370	1-102-121-00	CERAMIC	0.0022μF	10%	50V	
		(PVM-14N1A, 14N1E, 14N1MDE, 14N1U, 14N2A, 14N2E, 14N2U/SSM-14N1E, 14N1U)				
C370	1-102-824-00	CERAMIC	470PF	5%	50V	
		(PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)				
C371	1-164-232-11	CERAMIC	0.01μF	10%	50V	
C372	1-124-667-11	ELECT	10μF	20%	50V	
C373	1-124-667-11	ELECT	10μF	20%	50V	
C381	1-163-111-00	CERAMIC CHIP	56PF	5%	50V	
C382	1-163-111-00	CERAMIC CHIP	56PF	5%	50V	
C383	1-163-111-00	CERAMIC CHIP	56PF	5%	50V	
C402	1-126-964-11	ELECT	10μF	20%	50V	
		(EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)				
C403	1-136-155-00	FILM	0.015μF	5%	50V	
C404	1-136-155-00	FILM	0.015μF	5%	50V	
C405	1-136-155-00	FILM	0.015μF	5%	50V	
C407	1-126-964-11	ELECT	10μF	20%	50V	
		(EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)				
C409	1-126-964-11	ELECT	10μF	20%	50V	
		(EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)				
C410	1-164-232-11	CERAMIC CHIP	0.01μF	10%	50V	
		(EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)				
C411	1-164-232-11	CERAMIC CHIP	0.01μF	10%	50V	
		(EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)				
C412	1-126-964-11	ELECT	10μF	20%	50V	
		(EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)				
C413	1-136-175-00	FILM	0.68μF	5%	50V	
		(PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)				
C414	1-163-121-00	CERAMIC CHIP	150PF	5%	50V	
		(PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)				
C415	1-164-232-11	CERAMIC CHIP	0.01μF	10%	50V	
C416	1-164-232-11	CERAMIC CHIP	0.01μF	10%	50V	
C417	1-164-232-11	CERAMIC CHIP	0.01μF	10%	50V	
C453	1-136-175-00	FILM	0.68μF	5%	50V	
C454	1-136-175-00	FILM	0.68μF	5%	50V	
C455	1-102-125-00	CERAMIC	4700P	10%	50V	
C500	1-123-024-21	ELECT	33μF		160V	
⚠ C501		FILM		3%	2KV	
		(PVM-14N1A, 14N1E, 14N1MDE, 14N1U, 14N2A, 14N2E, 14N2U/SSM-14N1E, 14N1U)				
⚠ C501		FILM		3%	2KV	
		(PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)				
⚠ C502		FILM		10%	630V	
		(PVM-14N1A, 14N1E, 14N1MDE, 14N1U, 14N2A, 14N2E, 14N2U/SSM-14N1E, 14N1U)				
⚠ C502		FILM		5%	400V	
		(PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)				
⚠ C503		CERAMIC		10%	2KV	
⚠ C504		CERAMIC		10%	2KV	
C505	1-130-489-00	FILM	0.033μF	5%	50V	
C506	1-136-541-11	FILM	1.5μF	5%	200V	
C507	1-136-113-00	FILM	2μF	5%	200V	
C508	1-102-228-00	CERAMIC	470PF	10%	500V	

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REF NO.		PART NO.	DESCRIPTION			REMARK
C509		1-126-772-11	ELECT	1μF	20%	250V
C510		1-136-103-00	FILM	0.1μF	5%	200V
			(PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)			
C511		1-106-371-00	MYLAR	0.015μF	99%	200V
C512		1-102-228-00	CERAMIC	470PF	10%	500V
C514		1-107-924-11	ELECT	0.47μF	20%	50V
C516		1-126-941-11	ELECT	470μF	20%	25V
C518		1-126-941-11	ELECT	470μF	20%	25V
C522		1-107-638-11	ELECT	33μF	20%	160V
C523		1-162-114-00	CERAMIC	0.0047μF		2KV
C551		1-126-804-11	ELECT	100μF	20%	35V
C552		1-137-401-11	FILM	0.22μF	10%	100V
C553		1-126-963-11	ELECT	4.7μ F	20%	50V
C554		1-163-009-11	CERAMIC CHIP	0.001μF	10%	50V
C555		1-124-667-11	ELECT	10μF	20%	50V
C556		1-124-667-11	ELECT	10μF	20%	50V
C601	⚠	1-107-564-11	FILM	0.22μF	20%	300V
C602	⚠	1-107-564-11	FILM	0.22μF	20%	300V
C603	⚠	1-161-953-51	CERAMIC	0.0047μF	20%	400V
C604	⚠	1-161-953-51	CERAMIC	0.0047μF	20%	400V
C605	⚠	1-161-953-51	CERAMIC	0.0047μF	20%	400V
C606	⚠	1-161-953-51	CERAMIC	0.0047μF	20%	400V
C607		1-113-608-11	ELECT(SOLID)	470μF	20%	400V
C609		1-136-064-00	FILM	0.002μF	3%	2KV
C610		1-126-970-11	ELECT	330μF	20%	50V
C611		1-164-161-11	CERAMIC CHIP	0.0022μF	10%	50V
C612		1-107-911-11	ELECT	220μF	20%	50V
C613		1-137-484-11	FILM	0.47μF	10%	630V
C615	⚠	1-107-564-11	FILM	0.22μF	20%	300V
C616	⚠	1-162-577-81	CERAMIC	0.0022μF	20%	400V
C617	⚠	1-107-911-11	CERAMIC	0.0022μF	20%	400V
C618	⚠	1-107-911-11	CERAMIC	0.0022μF	20%	400V
C619	⚠	1-107-911-11	CERAMIC	0.0022μF	20%	400V
C651		1-125-494-11	ELECT(BLOCK)	560μ F	20%	160V
C653		1-107-891-11	ELECT	3300μF	20%	50V
C654		1-107-364-11	FILM	0.01μF	10%	200V
C655		1-126-964-11	ELECT	10μF	20%	50V
C656		1-124-667-11	ELECT	10μF	20%	50V
C671		1-124-667-11	ELECT	10μF	20%	50V
			< CONNECTOR >			
CN052		*1-564-508-11	PLUG, CONNECTOR 5P			
CN053		1-766-922-11	CONNECTOR, BOARD TO BOARD 18P			
CN201		*1-564-506-11	PLUG, CONNECTOR 3P			
CN351		*1-564-509-11	PLUG, CONNECTOR 6P			
CN401		*1-564-509-11	PLUG, CONNECTOR 6P			
CN402		*1-564-510-11	PLUG, CONNECTOR 7P			
			(EXCEPT SSM-14N1E, 14N1U,20N1E, 20N1U)			
CN501		*1-580-798-11	CONNECTOR PIN (DY) 6P			
CN502		*1-508-768-00	PIN, CONNECTOR (5MM PITCH) 6P			
CN601		*1-580-843-11	PIN, CONNECTOR (POWER)			
CN602		*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P			
			< DIODE >			
D001		8-719-991-33	DIODE 1SS133T-77			
D002		8-719-991-33	DIODE 1SS133T-77			
D101		8-719-914-44	DIODE DAP202K			
D102		8-719-983-38	DIODE MTZJ-T-77-36B			
D103		8-719-302-43	DIODE EL1Z			

REF NO.		PART NO.	DESCRIPTION	REMARK
D201		8-719-947-26	DIODE MTZJ-T-72-6.2C	
D301		8-719-991-33	DIODE 1SS133T-77	
D302		8-719-991-33	DIODE 1SS133T-77	
D303		8-719-991-33	DIODE 1SS133T-77	
D304		8-719-914-43	DIODE DAN202K-T-146	
D305		8-719-914-44	DIODE DAP202K	
D306		8-719-914-44	DIODE DAP202K	
D350		8-719-914-44	DIODE DAP202K	
D351		8-719-914-44	DIODE DAP202K	
D352		8-719-914-44	DIODE DAP202K	
D501		8-719-945-80	DIODE ERC06-15S	
D502		8-719-979-85	DIODE EGP20G	
D503		8-719-908-03	DIODE GP08D	
D504		8-719-908-03	DIODE GP08D	
D505		8-719-109-85	DIODE RD5.1ESB2	
D506		8-719-302-43	DIODE EL1Z	
D507		8-719-302-43	DIODE EL1Z	
D508		8-719-302-43	DIODE EL1Z	
D509		8-719-028-72	DIODE RGP02-17EL-6433	
D510		8-719-302-43	DIODE EL1Z	
D551		8-719-908-03	DIODE GP08D	
D552		8-719-109-85	DIODE RD5.1ESB2	
D601	⚠	8-719-025-88	DIODE GBU4JL-6088	
		4-382-854-11	SCREW (M3X10), P, SW (+); D601	
D605		8-719-302-43	DIODE EL1Z	
D606		8-719-921-63	DIODE MTZJ-7.5B	
D607		8-719-302-43	DIODE EL1Z	
D609		8-719-302-43	DIODE EL1Z	
D610		8-719-302-43	DIODE EL1Z	
D611		8-719-991-33	DIODE 1SS133T-77	
D651		8-719-312-10	DIODE RU4AM-T3	
D653		8-719-045-48	DIODE FML-G12S	
D656		8-719-046-66	DIODE SLR-56MC3F (POWER)	
			< FUSE >	
F601	⚠	1-532-746-11	FUSE, GLASS TUBE (4A/125V) (PVM-14N1U, 14N2U, 20N1U, 20N2U/ SSM-14N1U,20N1U)	
F601	⚠	1-576-231-21	FUSE (H.B.C.) (4A/250V) (PVM-14N1A, 14N1E, 14N2A, 14N2E, 20N1A, 20N1E, 20N2A, 20N2E/SSM-14N1E, 20N1E)	
F601	⚠	1-576-231-11	FUSE (H.B.C.) (4A/250V) (PVM-14N1MDE)	
		1-533-223-11	HOLDER, FUSE; F601	
F602	⚠	1-576-231-11	FUSE (H.B.C) (4A/250V) (PVM-14N1MDE)	
		1-533-223-11	HOLDER, FUSE; F602 (PVM-14N1MDE)	
F651	⚠	1-532-745-11	FUSE, GLASS TUBE (3.15A/125V)	
		1-533-223-11	HOLDER, FUSE; F651	
			< FERRITE BEAD >	
FB001		1-410-397-21	FERRITE BEAD INDUCTOR	1.1μH
FB301		1-410-397-21	FERRITE BEAD INDUCTOR	1.1μH
FB601		1-410-396-41	FERRITE BEAD INDUCTOR	0.45μH
FB602		1-410-396-41	FERRITE BEAD INDUCTOR	0.45μH
FB603		1-410-396-41	FERRITE BEAD INDUCTOR	0.45μH
FB1301		1-410-396-41	FERRITE BEAD INDUCTOR	0.45μH
			< FILTER >	
FL301		1-233-462-11	FILTER, LOW PASS	
FL302		1-233-462-11	FILTER, LOW PASS	

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REF NO.	PART NO.	DESCRIPTION	REMARK
		< IC >	
IC001	8-752-877-93	IC CXP85220A-033S	
	1-540-044-11	SOCKET, IC; IC001	
IC002	8-759-370-33	IC ST24C04FB6	
IC003	8-759-279-41	IC MM1096BD	
IC201	8-759-324-57	IC TDA7052A	
IC301	8-759-434-04	IC VDP3108-PP-A1	
IC401	8-759-000-48	IC MC14052BCP (EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)	
IC402	8-759-046-77	IC BA7602 (EXCEPT SSM-14N1E, 14N1U, 20N1E, 20N1U)	
IC551	8-759-192-71	IC STV9379	
	4-201-023-01	SPACER, INSULATING; IC551	
	4-202-373-01	SPRING, IC; IC551	
IC552	8-759-145-58	IC μPC4558C	
IC601	8-749-010-84	IC STR-S6708	
	4-382-854-11	SCREW (M3X10), P, SW (+); IC601	
IC651	8-749-921-89	IC SE115N	
IC652	8-759-231-53	IC TA7805S	
IC653	8-759-231-53	IC TA7805S	
IC654	8-759-701-59	IC NJM78M09FA	
	4-382-854-11	SCREW (M3X10), P, SW (+); IC654	
		< CHIP CONDUCTOR >	
JR1	1-216-295-00	CONDUCTOR, CHIP(2012)	
JR2	1-216-295-00	CONDUCTOR, CHIP(2012)	
JR3	1-216-295-00	CONDUCTOR, CHIP(2012)	
JR4	1-216-295-00	CONDUCTOR, CHIP(2012)	
JR5	1-216-295-00	CONDUCTOR, CHIP(2012)	
JR6	1-216-295-00	CONDUCTOR, CHIP(2012)	
JR7	1-216-295-00	CONDUCTOR, CHIP(2012)	
JR8	1-216-295-00	CONDUCTOR, CHIP(2012)	
JR9	1-216-295-00	CONDUCTOR, CHIP(2012)	
JR10	1-216-295-00	CONDUCTOR, CHIP(2012)	
JR11	1-216-295-00	CONDUCTOR, CHIP(2012)	
JR12	1-216-295-00	CONDUCTOR, CHIP(2012)	
JR13	1-216-295-00	CONDUCTOR, CHIP(2012)	
JR14	1-216-295-00	CONDUCTOR, CHIP(2012)	
JR124	1-216-295-00	CONDUCTOR, CHIP(2012)	
JR125	1-216-295-00	CONDUCTOR, CHIP(2012)	
JR451	1-216-295-00	CONDUCTOR, CHIP (2012) (PVM-14N1A, 14N1E, 14N1MDE,14N1U, 20N1A, 20N1E, 20N1U/SSM-14N1E, 14N1U, 20N1E, 20N1U)	
		< COIL >	
L001	1-408-418-00	INDUCTOR 56μH	
L101	1-421-465-00	COIL, FERRITE CHOKE 68μH	
L501	1-421-465-00	COIL, FERRITE CHOKE 68μH	
L502	1-459-105-21	COIL(WITH CORE)	
L503	1-412-553-11	INDUCTOR 3.3mmH	
L504	1-459-104-00	COIL, WITH CORE	
L505	1-459-760-13	COIL, HORIZONTAL LINEARITY (PVM-14N1A, 14N1E, 14N1MDE, 14N1U, 14N2A, 14N2E, 14N2U/SSM-14N1E, 14N1U)	
L505	1-459-769-13	COIL, HORIZONTAL LINEARITY (PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/ SSM-20N1E, 20N1U)	
L510	1-407-365-00	COIL,CHOKE	
L551	1-459-104-00	COIL, WITH CORE	
L601	1-411-541-11	COIL, CHOKE 7.2mmH	
		< PHOTO COUPLER >	
PH601	8-749-923-50	PHOTO COUPLER PC111YS	
		<IC LINK>	
PS001 ⚠	1-532-727-11	LINK, IC 0.25A (PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)	
		< TRANSISTOR >	
Q004	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q005	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q101	8-729-200-17	TRANSISTOR 2SA1091-O	
Q102	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q201	8-729-019-01	TRANSISTOR 2SD2394-EF	
Q301	8-729-026-48	TRANSISTOR 2SA1037AK-T146-Q	
Q302	8-729-026-48	TRANSISTOR 2SA1037AK-T146-Q	
Q303	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q304	8-729-026-48	TRANSISTOR 2SA1037AK-T146-Q	
Q351	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q352	8-729-026-48	TRANSISTOR 2SA1037AK-T146-Q	
Q353	8-729-026-48	TRANSISTOR 2SA1037AK-T146-Q	
Q354	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q355	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q356	8-729-026-48	TRANSISTOR 2SA1037AK-T146-Q	
Q357	8-729-026-48	TRANSISTOR 2SA1037AK-T146-Q	
Q358	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q359	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q360	8-729-026-48	TRANSISTOR 2SA1037AK-T146-Q	
Q361	8-729-026-48	TRANSISTOR 2SA1037AK-T146-Q	
Q362	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q501	8-729-810-49	TRANSISTOR 2SD1877S-SONY-CA (PVM-14N1A, 14N1E, 14N1MDE, 14N1U, 14N2A, 14N2E, 14N2U/SSM-14N1E, 14N1U)	
Q501	8-729-821-87	TRANSISTOR 2SD1878-CA (PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)	
	4-382-854-11	SCREW (M3X10), P, SW (+); Q501	
Q502	8-729-140-50	TRANSISTOR 2SC3209LK-TP	
Q551	8-729-019-01	TRANSISTOR 2SD2394-EF	
	4-201-023-01	SPACER, INSULATING; Q551	
	4-202-373-01	SPRING, IC; Q551	
Q601	8-729-025-04	TRANSISTOR 2SC3852A	
		< RESISTOR >	
R001	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R002	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R003	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R004	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R005	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R007	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R010	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R011	1-216-295-00	CONDUCTOR, CHIP(2012)	
R012	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R013	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R014	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	

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NOTE 1:
The constants of R351, R361, and R370 are changed when V901 is changed.
Refer to SECTION 8. Electrical Parts List on page 71 for the list of serial numbers.

REF NO.	PART NO.	DESCRIPTION				REMARK
R015	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R016	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R017	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R022	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R023	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R024	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R027	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R028	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R029	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R030	1-216-675-11	METAL CHIP	10K	0.50%	1/10W	
R031	1-216-675-11	METAL CHIP	10K	0.50%	1/10W	
R032	1-216-675-11	METAL CHIP	10K	0.50%	1/10W	
R035	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R036	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R053	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R054	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R055	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R056	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R057	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R058	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R059	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R101	1-216-391-11	METAL OXIDE (PVM-14N1A, 14N1E, 14N1MDE, 14N1U, 14N2A, 14N2E, 14N2U/SSM-14N1E, 14N1U)	1.5	5%	3W	F
R101	1-216-390-11	METAL OXIDE (PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)	1.2	5%	3W	F
R102	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W	
R103	1-216-115-00	METAL GLAZE	560K	5%	1/10W	
R104	1-218-754-11	METAL CHIP	120K	0.50%	1/10W	
R105	1-218-756-11	METAL CHIP	150K	0.50%	1/10W	
R106	1-216-097-00	METAL GLAZE	100K	5%	1/10W	
R107	1-216-097-00	METAL GLAZE	100K	5%	1/10W	
R108	1-216-683-11	METAL CHIP (PVM-14N1A, 14N1E, 14N1MDE, 14N1U, 14N2A, 14N2E, 14N2U/SSM-14N1E, 14N1U)	22K	0.5%	1/10W	
R108	1-216-682-11	METAL CHIP (PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)	20K	0.50%	1/10W	
R110	1-216-693-11	METAL CHIP (PVM-14N1A, 14N1E, 14N1MDE, 14N1U, 14N2A, 14N2E, 14N2U/SSM-14N1E, 14N1U)	56K	0.50%	1/10W	
R110	1-216-695-11	METAL CHIP (PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)	68K	0.5%	1/10W	
R112	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R201	1-216-093-00	METAL GLAZE	68K	5%	1/10W	
R202	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	
R203	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R204	1-215-907-11	METAL OXIDE	22	5%	3W	F
R205	1-216-056-00	METAL GLAZE	2K	5%	1/10W	
R207	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W	
R208	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R209	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R301	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R302	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R303	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W	
R304	1-202-826-00	SOLID	4.7K	10%	1/2W	
R305	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R306	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R307	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R308	1-216-001-00	METAL GLAZE	10	5%	1/10W	
R311	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R312	1-216-295-00	CONDUCTOR, CHIP(2012)				
R313	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R315	1-216-085-00	METAL GLAZE	33K	5%	1/10W	
R316	1-216-043-91	METAL GLAZE	560	5%	1/10W	
R318	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R319	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R320	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R321	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R322	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R323	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R324	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R325	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R351	1-216-642-11	METAL CHIP (PVM-14N1A, 14N1E, 14N1U, 14N2A,14N2E, 14N2U/SSM-14N1E, 14N1U)	430	0.50%	1/10W	
NOTE 1:						
R351	1-216-644-11	METAL CHIP (PVM-14N1A, 14N1E, 14N1MDE, 14N1U, 14N2A, 14N2E, 14N2U/SSM-14N1E, 14N1U)	510	0.50%	1/10W	
R351	1-216-646-11	METAL CHIP (PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)	620	0.50%	1/10W	
NOTE 1:						
R351	1-216-647-11	METAL CHIP (PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)	680	0.50%	1/10W	
R353	1-216-645-11	METAL CHIP	560	0.50%	1/10W	
R354	1-216-657-11	METAL CHIP	1.8K	0.50%	1/10W	
R355	1-216-075-00	METAL GLAZE	12K	5%	1/10W	
R357	1-216-637-11	METAL CHIP	270	0.50%	1/10W	
R358	1-216-001-00	METAL GLAZE	10	5%	1/10W	
R361	1-216-642-11	METAL CHIP (PVM-14N1A, 14N1E, 14N1U, 14N2A,14N2E, 14N2U/SSM-14N1E, 14N1U)	430	0.50%	1/10W	
NOTE 1:						
R361	1-216-644-11	METAL CHIP (PVM-14N1A, 14N1E, 14N1MDE, 14N1U, 14N2A, 14N2E, 14N2U/SSM-14N1E, 14N1U)	510	0.50%	1/10W	
R361	1-216-646-11	METAL CHIP (PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)	620	0.50%	1/10W	
NOTE 1:						
R361	1-216-647-11	METAL CHIP (PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)	680	0.50%	1/10W	
R362	1-216-645-11	METAL CHIP	560	0.50%	1/10W	
R363	1-216-657-11	METAL CHIP	1.8K	0.50%	1/10W	
R364	1-216-075-00	METAL GLAZE	12K	5%	1/10W	
R366	1-216-637-11	METAL CHIP	270	0.50%	1/10W	
R367	1-216-001-00	METAL GLAZE	10	5%	1/10W	
R370	1-216-642-11	METAL CHIP (PVM-14N1A, 14N1E, 14N1U, 14N2A,14N2E, 14N2U/SSM-14N1E, 14N1U)	430	0.50%	1/10W	
NOTE 1:						
R370	1-216-644-11	METAL CHIP (PVM-14N1A, 14N1E, 14N1MDE, 14N1U, 14N2A, 14N2E, 14N2U/SSM-14N1E, 14N1U)	510	0.50%	1/10W	

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The components identified by shading and marked ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une tramé et une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

REF NO.	PART NO.	DESCRIPTION				REMARK
R370	1-216-646-11	METAL CHIP (PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)	620	0.50%	1/10W	
NOTE 1:						
R370	1-216-647-11	METAL CHIP (PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)	680	0.50%	1/10W	
R371	1-216-645-11	METAL CHIP	560	0.50%	1/10W	
R372	1-216-657-11	METAL CHIP	1.8K	0.50%	1/10W	
R373	1-216-075-00	METAL GLAZE	12K	5%	1/10W	
R375	1-216-637-11	METAL CHIP	270	0.50%	1/10W	
R376	1-216-001-00	METAL GLAZE	10	5%	1/10W	
R378	1-216-001-00	METAL GLAZE	10	5%	1/10W	
R379	1-216-001-00	METAL GLAZE	10	5%	1/10W	
R380	1-216-001-00	METAL GLAZE	10	5%	1/10W	
R381	1-216-657-11	METAL CHIP	1.8K	0.50%	1/10W	
R382	1-216-657-11	METAL CHIP	1.8K	0.50%	1/10W	
R383	1-216-657-11	METAL CHIP	1.8K	0.50%	1/10W	
R401	1-216-041-00	METAL GLAZE (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)	470	5%	1/10W	
R402	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R501	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R502	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R503	1-215-895-11	METAL OXIDE (PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)	3.3K	5%	2W	F
R503	1-215-896-00	METAL OXIDE (PVM-14N1A, 14N1E, 14N1MDE, 14N1U, 14N2A, 14N2E, 14N2U/SSM-14N1E, 14N1U)	4.7K	5%	2W	F
R506	1-260-326-11	CARBON	680	5%	1/2W	
R507	1-215-864-00	METAL OXIDE	150	5%	1W	F
R508	1-215-422-11	METAL OXIDE (PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)	18	5%	1W	F
R508	1-216-423-11	METAL OXIDE (PVM-14N1A, 14N1E, 14N1MDE, 14N1U, 14N2A, 14N2E, 14N2U/SSM-14N1E, 14N1U)	27	5%	1W	F
R509	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R513	1-247-887-00	CARBON	220K	5%	1/4W	
R514	1-249-419-11	CARBON	1.5K	5%	1/4W	F
R551	1-216-429-00	METAL OXIDE	270	5%	1W	F
R552	1-216-349-00	METAL OXIDE	1	5%	1W	F
R553	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R554	1-216-079-00	METAL GLAZE	18K	5%	1/10W	
R555	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R556	1-216-351-00	METAL OXIDE	1.5	5%	1W	F
R557	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	
R558	1-216-031-00	METAL GLAZE	180	5%	1/10W	
R559	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R560	1-216-689-11	METAL GLAZE	39K	5%	1/10W	
R561 ⚠	1-532-727-91	LINK, IC (0.25A) ICP-N5 (PVM-14N1A, 14N1E, 14N1MDE, 14N1U, 14N2A, 14N2E, 14N2U/SSM-14N1E, 14N1U)				
R561	1-249-392-11	CARBON (PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)	8.2	5%	1/4W	F
R562	1-216-295-00	CONDUCTOR, CHIP(2012)				
R564	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R565	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R566	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R569	1-216-097-00	METAL GLAZE	100K	5%	1/10W	
R570	1-216-422-11	METAL OXIDE (PVM-14N1A, 14N1E, 14N1MDE, 14N1U, 14N2A, 14N2E, 14N2U/SSM-14N1E, 14N1U)	18	5%	1W	F
R570	1-216-423-11	METAL OXIDE (PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)	27	5%	1W	F
R601 ⚠	1-202-885-91	SOLID	1M	20%	1/2W	
R602	1-216-490-11	METAL OXIDE	39K	5%	3W	F
R604	1-215-877-11	METAL OXIDE	22K	5%	1W	F
R605	1-215-869-11	METAL OXIDE	1K	5%	1W	F
R606	1-249-421-11	CARBON	2.2K	5%	1/4W	
R607	1-249-417-11	CARBON	1K	5%	1/4W	
R608	1-217-241-00	WIREWOUND	0.22	10%	3W	F
R609	1-247-807-31	CARBON	100	5%	1/4W	
R610	1-216-470-00	METAL OXIDE	18	5%	3W	F
R611	1-249-417-11	CARBON	1K	5%	1/4W	
R612 ⚠	1-205-998-11	WIREWOUND	1	5%	10W	
R613	1-249-426-11	CARBON	5.6K	5%	1/4W	
R614 ⚠	1-202-725-91	SOLID	3.3M	10%	1/2W	
R615 ⚠	1-202-725-91	SOLID	3.3M	10%	1/2W	
R616 ⚠	1-205-998-11	WIREWOUND	1	5%	10W	
R622	1-249-424-11	CARBON	3.9K	5%	1/4W	
R623	1-216-490-11	METAL OXIDE	39K	5%	3W	F
R657	1-249-417-11	CARBON	1K	5%	1/4W	
R658	1-212-954-11	FUSIBLE	6.8	5%	1/2W	F
R1201	1-215-882-00	METAL OXIDE	22	5%	2W	F
		< SWITCH >				
S001	1-571-532-21	SWITCH, TACTIL				
S002	1-571-532-21	SWITCH, TACTIL				
S003	1-571-532-21	SWITCH, TACTIL				
S004	1-571-532-21	SWITCH, TACTIL				
S006	1-571-532-21	SWITCH, TACTIL (PVM-14N2A, 14N2E, 14N2U, 20N2A, 20N2E, 20N2U)				
S007	1-571-532-21	SWITCH, TACTIL				
S008	1-571-532-21	SWITCH, TACTIL				
S501	1-554-186-00	SWITCH, LEVER				
S601 ⚠	1-571-433-31	SWITCH, PUSH (AC POWER) (POWER)				
		< SPARK GAP >				
SG501	1-519-422-11	GAP, SPARK				
		< TRANSFORMER >				
T501 ⚠	1-453-201-11	TRANSFORMER ASSY, FLYBACK (NX-2610/U2A) (PVM-14N1A, 14N1E, 14N1U, 14N2A, 14N2E, 14N2U/SSM-14N1E, 14N1U)				
T501 ⚠	1-453-202-11	TRANSFORMER ASSY, FLYBACK (NX-2611/U2A) (PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)				
T501 ⚠	1-540-006-12	TRANSFORMER ASSY, FLY BACK (NX-2610) (PVM-14N1MDE)				
T502	1-437-090-31	HDT				
T601 ⚠	1-429-265-12	TRANSFORMER, CONVERTER (SRT)				
T603 ⚠	1-429-482-11	TRANSFORMER, LINE FILTER (LFT)				
		< THERMISTOR >				
THP601 ⚠	1-808-059-32	THERMISTOR, POSITIVE				

The components identified by shading and marked ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une tramé et une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

A **CA** **CB**

REF NO.	PART NO.	DESCRIPTION				REMARK
		< CRYSTAL >				
X001	1-567-781-11	VIBRATOR, CRYSTAL (4MHz)				
X301	1-760-878-11	VIBRATOR, CRYSTAL (20.25MHz)				
**********						
	*A-1331-459-A	CA BOARD COMPLETE (PVM-14N1A,14N1E, 14N1MDE, 14N1U, 14N2A,14N2E,14N2U /SSM-14N1E, 14N1U)				
		**********				
		< CAPACITOR >				
C709	1-136-601-11	FILM	0.01µF	10%	630V	
C710	1-102-002-00	CERAMIC	680PF	10%	500V	
C711	1-102-002-00	CERAMIC	680PF	10%	500V	
C712	1-102-002-00	CERAMIC	680PF	10%	500V	
C716	1-128-551-11	ELECT	22µF	20%	25V	
C721	1-107-667-11	ELECT	2.2µF	20%	400V	
C723	1-162-116-00	CERAMIC	680PF	10%	2KV	
		< CONNECTOR >				
CN701	*1-508-768-00	PIN, CONNECTOR (5MM PITCH) 6P				
CN702	*1-564-509-11	PLUG, CONNECTOR 6P				
CN703	1-695-915-11	TAB (CONTACT)				
		< DIODE >				
D710	8-719-991-33	DIODE 1SS133T-77				
D711	8-719-991-33	DIODE 1SS133T-77				
D712	8-719-991-33	DIODE 1SS133T-77				
D713	8-719-991-33	DIODE 1SS133T-77				
D714	8-719-991-33	DIODE 1SS133T-77				
D715	8-719-991-33	DIODE 1SS133T-77				
D716	8-719-991-33	DIODE 1SS133T-77				
		< JACK >				
J701 ⚠	1-526-819-11	SOCKET, CRT				
		< COIL >				
L701	1-410-671-31	INDUCTOR	47µH			
		< TRANSISTOR >				
Q701	8-729-119-76	TRANSISTOR 2SA1175-HFE				
Q710	8-729-200-17	TRANSISTOR 2SA1091-O				
Q711	8-729-200-17	TRANSISTOR 2SA1091-O				
Q712	8-729-200-17	TRANSISTOR 2SA1091-O				
Q713	8-729-906-70	TRANSISTOR BF871-127				
Q714	8-729-906-70	TRANSISTOR BF871-127				
Q715	8-729-906-70	TRANSISTOR BF871-127				
		< RESISTOR >				
R701	1-202-846-00	SOLID	470K	20%	1/2W	
R702	1-202-846-00	SOLID	470K	20%	1/2W	
R703	1-202-719-00	SOLID	1M	20%	1/2W	
R704	1-202-838-00	SOLID	100K	20%	1/2W	
R705	1-202-842-11	SOLID	220K	20%	1/2W	
R706	1-202-818-00	SOLID	1K	20%	1/2W	
R707	1-202-818-00	SOLID	1K	20%	1/2W	
R708	1-202-818-00	SOLID	1K	20%	1/2W	
R722	1-216-373-11	METAL OXIDE	2.2	5%	2W	F
R723	1-216-486-00	METAL OXIDE	8.2K	5%	3W	F
R724	1-216-486-00	METAL OXIDE	8.2K	5%	3W	F
R725	1-216-486-00	METAL OXIDE	8.2K	5%	3W	F
R730	1-249-409-11	CARBON	220	5%	1/4W	F
R731	1-249-903-00	CARBON	1M	5%	1/4W	
R732	1-202-549-00	SOLID	100	20%	1/2W	
R751	1-249-412-11	CARBON	390	5%	1/4W	
R752	1-249-412-11	CARBON	390	5%	1/4W	
R753	1-249-412-11	CARBON	390	5%	1/4W	
		< VARIABLE RESISTOR >				
RV701	1-230-641-11	RES, ADJ, METAL GLAZE 2.2M				
RV702	1-230-641-11	RES, ADJ, METAL GLAZE 2.2M				
RV703	1-230-798-11	RES, ADJ, METAL GLAZE 90M				
	*4-374-912-01	COVER (MAIN), CV VOL; RV703				
	*4-374-913-01	COVER (REAR LID), CV VOL; RV703				
**********						
	*A-1331-458-A	CB BOARD, COMPLETE (PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)				
		**********				
		< CAPACITOR >				
C709	1-136-601-11	FILM	0.01µF	10%	630V	
C710	1-164-083-11	CERAMIC	680PF	10%	50V	
C711	1-164-083-11	CERAMIC	680PF	10%	50V	
C712	1-164-083-11	CERAMIC	680PF	10%	50V	
C716	1-128-551-11	ELECT	22µF	20%	25V	
C721	1-107-667-11	ELECT	2.2µF	20%	400V	
C723	1-162-116-00	CERAMIC	680PF	10%	2KV	
		< CONNECTOR >				
CN701	*1-508-768-00	PIN, CONNECTOR (5MM PITCH) 6P				
CN702	*1-564-509-11	PLUG, CONNECTOR 6P				
CN703	1-695-915-11	TAB (CONTACT)				
		< DIODE >				
D710	8-719-991-33	DIODE 1SS133T-77				
D711	8-719-991-33	DIODE 1SS133T-77				
D712	8-719-991-33	DIODE 1SS133T-77				
D713	8-719-991-33	DIODE 1SS133T-77				
D714	8-719-991-33	DIODE 1SS133T-77				
D715	8-719-991-33	DIODE 1SS133T-77				
D716	8-719-991-33	DIODE 1SS133T-77				
		< JACK >				
J702 ⚠	1-540-124-11	SOCKET, CRT				
		< COIL >				
L701	1-410-478-11	INDUCTOR	47µH			

CB S

REF NO.	PART NO.	DESCRIPTION				REMARK
		< TRANSISTOR >				
Q701	8-729-119-76	TRANSISTOR 2SA1175-HFE				
Q710	8-729-200-17	TRANSISTOR 2SA1091-O				
Q711	8-729-200-17	TRANSISTOR 2SA1091-O				
Q712	8-729-200-17	TRANSISTOR 2SA1091-O				
Q713	8-729-906-70	TRANSISTOR BF871-127				
Q714	8-729-906-70	TRANSISTOR BF871-127				
Q715	8-729-906-70	TRANSISTOR BF871-127				
		< RESISTOR >				
R701	1-202-846-00	SOLID	470K	20%	1/2W	
R702	1-202-838-00	SOLID	100K	20%	1/2W	
R703	1-202-838-00	SOLID	100K	20%	1/2W	
R705	1-202-842-11	SOLID	220K	20%	1/2W	
R706	1-202-818-00	SOLID	1K	20%	1/2W	
R707	1-202-818-00	SOLID	1K	20%	1/2W	
R708	1-202-818-00	SOLID	1K	20%	1/2W	
R722	1-216-397-11	METAL OXIDE	4.7	5%	2W	F
R723	1-216-486-00	METAL OXIDE	8.2K	5%	3W	F
R724	1-216-486-00	METAL OXIDE	8.2K	5%	3W	F
R725	1-216-486-00	METAL OXIDE	8.2K	5%	3W	F
R730	1-249-409-11	CARBON	220	5%	1/4W	F
R731	1-249-429-11	CARBON	10K	5%	1/4W	
R732	1-202-549-00	SOLID	100	20%	1/2W	
R751	1-247-821-00	CARBON	390	5%	1/4W	
R752	1-247-821-00	CARBON	390	5%	1/4W	
R753	1-247-821-00	CARBON	390	5%	1/4W	
		< VARIABLE RESISTOR >				
RV701	1-230-641-11	RES, ADJ, METAL GLAZE 2.2M				
RV703	1-241-714-11	RES, ADJ, METAL FILM 110M				

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*A-1390-638-A S BOARD, COMPLETE
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		< CAPACITOR >				
C801	1-164-657-11	CERAMIC CHIP	0.015µF	10%	50V	
C802	1-164-657-11	CERAMIC CHIP	0.015µF	10%	50V	
C803	1-164-657-11	CERAMIC CHIP	0.015µF	10%	50V	
C804	1-136-155-00	FILM	0.015µF	5%	50V	
C805	1-136-155-00	FILM	0.015µF	5%	50V	
C806	1-136-155-00	FILM	0.015µF	5%	50V	
C807	1-163-121-00	CERAMIC CHIP	150PF	5%	50V	
C808	1-163-121-00	CERAMIC CHIP	150PF	5%	50V	
C809	1-126-964-11	ELECT	10µF	20%	50V	
C810	1-126-964-11	ELECT	10µF	20%	50V	
C811	1-164-232-11	CERAMIC CHIP	0.01µF	10%	50V	
C812	1-164-232-11	CERAMIC CHIP	0.01µF	10%	50V	
		< CONNECTOR >				
CN801	1-766-925-11	CONNECTOR, BOARD TO BOARD 18P				
CN802	* 1-564-522-11	PLUG, CONNECTOR 7P				

REF NO.	PART NO.	DESCRIPTION				REMARK
		< DIODE >				
D810	8-719-914-43	DIODE DAN202K-T-146				
D811	8-719-914-43	DIODE DAN202K-T-146				
D812	8-719-914-43	DIODE DAN202K-T-146				
D813	8-719-914-43	DIODE DAN202K-T-146				
D814	8-719-914-44	DIODE DAP202K				
		< IC >				
IC801	8-759-374-31	IC BA7606				
IC802	8-759-031-92	IC MC14528BCP				
		< CHIP CONDUCTOR >				
JR802	1-216-295-91	CONDUCTOR, CHIP(2012)				
JR803	1-216-295-91	CONDUCTOR, CHIP(2012)				
JR804	1-216-295-91	CONDUCTOR, CHIP(2012)				
		<TRANSISTOR>				
Q802	8-729-026-48	TRANSISTOR 2SA1037AK-T146-Q				
Q803	8-729-026-48	TRANSISTOR 2SA1037AK-T146-Q				
Q804	8-729-026-48	TRANSISTOR 2SA1037AK-T146-Q				
		< RESISTOR >				
R801	1-216-665-11	METAL CHIP	3.9K	0.50%	1/10W	
R802	1-216-665-11	METAL CHIP	3.9K	0.50%	1/10W	
R803	1-216-665-11	METAL CHIP	3.9K	0.50%	1/10W	
R804	1-216-653-11	METAL CHIP	1.2K	0.50%	1/10W	
R805	1-216-653-11	METAL CHIP	1.2K	0.50%	1/10W	
R806	1-216-653-11	METAL CHIP	1.2K	0.50%	1/10W	
R807	1-216-083-00	METAL GLAZE	27K	5%	1/10W	
R808	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R809	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R821	1-215-445-00	METAL	10K	1%	1/4W	
R822	1-216-675-11	METAL CHIP	10K	0.50%	1/10W	
R823	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W	
R824	1-215-445-00	METAL	10K	1%	1.4W	
R825	1-216-675-11	METTAL CHIP	10K	0.50%	1/10W	
R826	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W	
R827	1-215-445-00	METAL	10K	1%	1/4W	
R828	1-216-675-11	METAL CHIP	10K	0.50%	1/10W	
R829	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W	

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The components identified by shading and marked ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une tramé et une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

REF NO.		PART NO.	DESCRIPTION	REMARK

MISCELLANEOUS
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	⚠	1-251-263-11	INLET, AC	
	⚠	1-426-442-21	COIL, DEMAGNETIZATION (PVM-14N1A, 14N1E, 14N1MDE, 14N1U, 14N2A, 14N2E, 14N2U/SSM-14N1E, 14N1U)	
	⚠	1-411-750-11	COIL, DEMAGNETIZATION (PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)	
	⚠	1-451-349-12	DEFLECTION YOKE (Y20FZA) (PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)	
		1-452-032-00	MAGNET, DISC	
		1-452-094-00	MAGNET,ROTATABLE DISC;15MMø	
		1-505-188-11	SPEAKER (4X7CM)	
	⚠	1-532-746-11	FUSE (H.B.C.) 4A/125V (PVM-14N1U,14N2U, 20N1U,20N2U/SSM-14N1U, 20N1U)	
	⚠	1-576-231-21	FUSE (H.B.C.) 4A/250A (PVM-14N1A, 14N1E, 14N2A, 14N2E, 20N1A, 20N1E, 20N2A, 20N2E/SSM-14N1E, 20N1E)	
	⚠	1-576-231-11	FUSE (H.B.C.) 4A/250A (PVM-14N1MDE)	
	*1	-900-214-07	WIRE ASSY, SEFETY EARTH	
	⚠	8-451-472-11	DY Y14MGAT (PVM-14N1A, 14N1E, 14N1MDE, 14N1U, 14N2A, 14N2E, 14N2U/ SSM-14N1E, 14N1U)	
	⚠	1-543-653-21	CORE ASSY, BEAD (DIVISION TYPE) (PVM-14N1A, 14N1E, 14N1MDE, 14N2A, 14N2E, 20N1A, 20N1E, 20N2A, 20N2E/SSM-14N1E, 20N1E)	
V901	⚠	8-738-336-05	PICTURE TUBE 14MG (PVM-14N1A, 14N1E, 14N1U, 14N2A, 14N2E, 14N2U/SSM-14N1, 14N1U)	
V901	⚠	8-736-130-05	PICTURE TUBE 20FZ5 (PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)	
NOTE 1:				
V901	⚠	8-736-135-05	PICTURE TUBE 20FZ5 (PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)	
NOTE 1:				
V901	⚠	8-738-342-05	PICTURE TUBE 14MG (PVM-14N1A, 14N1E, 14N1MDE, 14N1U, 14N2A, 14N2E, 14N2U/ SSM-14N1E, 14N1U)	

NOTE 1: V901 differs according to the serial No. described below.

Serial No. 6000402 and Higher (PVM-14N1A)
Serial No. 6005960 and Higher (PVM-14N1E)
Serial No. 6000001 and Higher (PVM-14N1MDE)
Serial No. 6006069 and Higher (PVM-14N1U)
Serial No. 6000127 and Higher (PVM-14N2A)
Serial No. 6003540 and Higher (PVM-14N2E)
Serial No. 6003311 and Higher (PVM-14N2U)
Serial No. 6003696 and Higher (SSM-14N1E)
Serial No. 6004630 and Higher (SSM-14N1U)
Serial No. 6000142 and Higher (PVM-20N1A)
Serial No. 6001149 and Higher (PVM-20N1E)
Serial No. 6002388 and Higher (PVM-20N1U)
Serial No. 6000048 and Higher (PVM-20N2A)
Serial No. 6000817 and Higher (PVM-20N2E)
Serial No. 6001384 and Higher (PVM-20N2U)
Serial No. 6001626 and Higher (SSM-20N1E)
Serial No. 6001970 and Higher (SSM-20N1U)

REF NO.		PART NO.	DESCRIPTION	REMARK

ACCESSORIES & PACKING MATERIALS
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⚠	1-534-827-21	CORD, POWER (PVM-14N1U, 14N2U, 20N1U, 20N2U/SSM-14N1U, 20N1U)	
⚠	1-551-631-22	CORD, POWER (PVM-14N1MDE)	
⚠	1-590-910-11	CORD SET, POWER (PVM-14N1A, 14N1E, 14N2A, 14N2E, 20N1A, 20N1E, 20N2A, 20N2E/SSM-14N1E, 20N1E)	
	3-800-731-11	MANUAL, INSTRUCTION (EXCEPT SSM-14N1E, 14N1U,20N1E, 20N1U)	
	3-800-732-11	MANUAL, INSTRUCTION (SSM-14N1E, 14N1U, 20N1E, 20N1U)	
	3-859-036-11	MANUAL, INSTRUCTION (PVM-14N1MDE) (ENGLISH, FRENCH, GERMAN, ITALIAN, SPANISH)	
	4-048-073-01	COVER, DROP PROTECTION (PVM-14N1MDE)	
	*4-048-473-01	INDIVIDUAL CARTON (PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)	
	* 4-048-474-01	CUSHION (UPPER) (ASSY) (PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)	
	* 4-048-475-01	CUSHION (LOWER) (ASSY) (PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)	
	* 4-048-606-01	INDIVIDUAL CARTON (PVM-14N1A, 14N1E, 14N1MDE, 14N1U, 14N2A, 14N2E, 14N2U/SSM-14N1E, 14N1U)	
	* 4-048-607-01	CUSHION (UPPER) (ASSY) (PVM-14N1A, 14N1E, 14N1MDE, 14N1U, 14N2A, 14N2E, 14N2U/SSM-14N1E, 14N1U)	
	* 4-048-608-01	CUSHION (LOWER) (ASSY) (PVM-14N1A, 14N1E, 14N1MDE, 14N1U, 14N2A, 14N2E, 14N2U/SSM-14N1E, 14N1U)	
	* 4-377-015-01	BAG, PROTECTION (PVM-14N1A, 14N1E, 14N1MDE, 14N1U, 14N2A, 14N2E, 14N2U/SSM-14N1E, 14N1U)	
	* 4-381-155-01	BAG, PROTECTION (PVM-20N1A, 20N1E, 20N1U, 20N2A, 20N2E, 20N2U/SSM-20N1E, 20N1U)	

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